

Include front page and acknowledgement, index page, source code, output, variable description, conclusion, etc. in your project before taking the print out.

```
// AirTicketing
import java.io.*;

public class National_Airticket28
{
    char dep,des,n,m,v;

    int k1,z,m1,ty,i;

    byte day,mon;

    short year;

    static String kq="NAMO",ke="NAMO";

    String o1=" ";

    char f[] ={'M','D','K','C','H','B','T','G','A','I'};

    String h1[]
    ={"Mumbai","Delhi","Kolkata","Chennai","Hyderabad","Banglore","Tiruvananthpu
ram","Panaji","Amritsar","Guwhati"};

    char gen;

    int q,age;
```

String name,p;

double kg,tf;

public static void START_OF_PROGRAM()throws IOException

{

National_Airticket28 ob= new National_Airticket28();

for(int g=0;g<3;g++)

{

System.out.print("\n\n\n\n\n\t\t\t\t\t\t\t\t\t\t\t\tPLEASE WAIT");

ob.delay();

ob.delay();

System.out.print(".");

ob.delay();

ob.delay();

System.out.print(".");

ob.delay();

ob.delay();

System.out.print(".");

ob.delay();

ob.delay();

System.out.print(".\f");


```
ob.delay();
```

```
System.out.print("\n\t\t\t\t\t\t\t\t\t\t T");
```

```
ob.delay();
```

```
System.out.print("O");
```

```
ob.delay();
```

```
System.out.print("\n\t\t\t\t\t\t\t\t\t\t T");
```

```
ob.delay();
```

```
System.out.print("H");
```

```
ob.delay();
```

```
System.out.print("E");
```

```
ob.delay();
```

```
System.out.print("\n\t\t\t\t\t\t\t\t\t\t R");
```

```
ob.delay();
```

```
System.out.print("E");
```

```
ob.delay();
```

```
System.out.print("S");
```

```
ob.delay();
```



```
ob.delay();  
System.out.print("O");
```

```
    ob.delay();  
System.out.print("I");  
ob.delay();  
System.out.print("N");  
ob.delay();  
System.out.print("T\n\n\n\n");  
ob.delay();
```

```
System.out.println("\t\t\t\tEnter M for Mumbai\n\t\t\t\tEnter D for  
Delhi\n\t\t\t\tEnter K for Kolkata\n\t\t\t\tEnter C for Chennai\n\t\t\t\tEnter H  
for Hyerabad\n\t\t\t\tEnter B for Banglore\n\t\t\t\tEnter T for  
Tiruvananthpuram\n\t\t\t\tEnter G for Panaji\n\t\t\t\tEnter I for  
Guwhati\n\t\t\t\tEnter A for Amritsar\n\n" );
```

```
System.out.println("\t\t\t\tENTER THE ABOVE CODES WHEN ASKED");  
ob.main();
```

```
}
```

```
public void main()throws IOException
{
    if(kq.compareToIgnoreCase(ke)==0)
    {
        InputStreamReader read= new InputStreamReader(System.in);
        BufferedReader in= new BufferedReader(read);
        char ch,ch1;
        System.out.println("\n\n\nEnter B for BOOKING \nEnter C for CANCEL
\nEnter P for PRIVATE airlines sector");
        System.out.println("Enter your choice");
        ch=(char)in.read();
        v=(char)in.read();
        ch=Character.toUpperCase(ch);
        switch (ch)
        {
            case 'B':
```

```
System.out.println("Enter Depature place");
```

```
dep=(char)in.read();
```

```
v=(char)in.read();
```

```
System.out.println("Enter Destination");
```

```
des=(char)in.read();
```

```
v=(char)in.read();
```

```
m=Character.toUpperCase(dep);
```

```
n=Character.toUpperCase(des);
```

```
if(m==n)
```

```
{
```

```
    System.out.println("SAME DESTINATION AND DEPARTURE PLEASE RE-  
ENTER");
```

```
    main();
```

```
}
```

```
System.out.println("Choose your flight");
```

```
k1=time();
```



```
if(k1==2 || k1==4 || k1==6 || k1==8 || k1==10 || k1==12 || k1==9 || k1==130 || k1==7 ||  
k1==1030)
```

```
    calculate();
```

```
    else
```

```
    {
```

```
        System.out.println("\n\n\n\n || !!!WRONG CHOICE!!! || \n PLEASE  
RE-ENTER THE VALUES");
```

```
        main();
```

```
    }
```

```
    break;
```

```
    case 'C':
```

```
        System.out.println("Enter Depature place");
```

```
        dep=(char)in.read();
```

```
        v=(char)in.read();
```

```
        System.out.println("Enter Destination");
```

```
        des=(char)in.read();
```

```
v=(char)in.read();
```

```
m=Character.toUpperCase(dep);
```

```
n=Character.toUpperCase(des);
```

```
if(m==n)
```

```
{
```

```
    System.out.println("\n\n\n\nSAME DESTINATION AND DEPARTURE  
PLEASE RE-ENTER\nPLEASE RE-ENTER THE VALUES");
```

```
    main();
```

```
}
```

```
System.out.println("Enter flight you Chosen");
```

```
k1=time();
```

```
if(k1==2 || k1==4 || k1==6 || k1==8 || k1==10 || k1==12 || k1==9 || k1==130 || k1==7 ||  
k1==1030)
```

```
    cancalcu();
```

```
else
```

```
{
```

```
        System.out.println("\n\n\n\n |||!!!WRONG CHOICE!!! |||\nPLEASE RE-  
ENTER");
```

```
        main();
```

```
    }
```

```
    break;
```

```
case 'P':
```

```
    System.out.println("Enter B for BOOKING \nEnter C for CANCEL");
```

```
    ch1=(char)in.read();
```

```
    ch1=Character.toUpperCase(ch1);
```

```
    if(ch1=='B')
```

```
    {
```

```
        System.out.println("Choose flight time \nNOTE:- Extra charges Wil be  
applied for superfast airlines");
```

```
        k1=pvttime();
```

```
if(k1==430 || k1==3 || k1==830 || k1==11 || k1==1230 || k1==550 || k1==730)
```

```
    pvtcalculate();
```

```
    else
```

```
    {
```

```
        System.out.println("\n\n\n\n |||!!!WRONG CHOICE!!! |||\nPLEASE  
RE-ENTER");
```

```

        main();
    }
}

else if(ch1=='C')
{
    System.out.println("Choose flight time \nNOTE:- Extra charges Wil be
Deducted for superfast airlines");
    k1=pvttime();

if(k1==430 || k1==3 || k1==830 || k1==11 || k1==1230 || k1==550 || k1==730)
    canpvtcalcu();
else
{
    System.out.println("\n\n\n\n| |!!!WRONG CHOICE!!!| |\nPLEASE
RE-ENTER THE VALUES");
    main();
}
}
else

```

```
    {  
        System.out.println("\n\n\n\n |||!!!WRONG CHOICE!!! |||\nPLEASE RE-  
ENTER THE VALUES");
```

```
    main();  
    }  
    break;  
    default :  
        System.out.println("\n\n\n\n |||!!!WRONG CHOICE!!! |||\nPLEASE RE-  
ENTER THE VALUES");
```

```
    main();  
    }  
    }  
    }  
int time()throws IOException
```

```
{  
    InputStreamReader read= new InputStreamReader(System.in);  
    BufferedReader in= new BufferedReader(read);  
    String a,b;
```

```
a=checkm();
```

```
b=checkn();
```

```
System.out.println("Extra charges will be applied for superfast airlines");
```

```
System.out.println("Indian Airways 2 pm flight from "+a+" to "+b);
```

```
System.out.println("Indian Airways 6 pm flight from "+a+" to "+b);
```

```
System.out.println("Indian Airways 8 pm flight from "+a+" to "+b);
```

```
System.out.println("Indian Airways 10 am flight from "+a+" to "+b);
```

```
System.out.println("Air India 12 noon flight from "+a+" to "+b);
```

```
System.out.println("Air India 4 pm flight from "+a+" to "+b);
```

```
System.out.println("Air India 9 am superfast flight from "+a+" to "+b);
```

```
System.out.println("Air India 10:30 am superfast flight from "+a+" to "+b);
```

```
System.out.println("Indian Airways 1:30 pm superfast flight from "+a+" to "+b);
```

```
System.out.println("Indian Airways 7 pm superfast flight from "+a+" to "+b);
```

```
System.out.println("Enter time in whole no. \n FOR Ex:-if you want to enter 1:30 enter 130");
```

```
i=Integer.parseInt(in.readLine());
```

```
a="";  
b="";  
return(i);  
}
```

```
String kC="NAMO";  
int pvttime()throws IOException  
{  
    InputStreamReader read= new InputStreamReader(System.in);  
    BufferedReader in= new BufferedReader(read);  
    System.out.println("Enter Depature place");  
    dep=(char)in.read();  
    v=(char)in.read();  
    System.out.println("Enter Destination");  
    des=(char)in.read();  
    v=(char)in.read();  
    m=Character.toUpperCase(dep);  
    n=Character.toUpperCase(des);  
    if(m==n)  
    {
```

```
System.out.println("SAME DESTINATION AND DEPARTURE PLEASE RE-  
ENTER");
```

```
    pvttime();
```

```
}
```

```
String a1,b1;
```

```
a1=checkm();
```

```
b1=checkn();
```

```
System.out.println("NOTE:- Superfast extra charge applied");
```

```
System.out.println("Kingfisher 4:30 am flight from "+a1+" to "+b1);
```

```
System.out.println("Deccan Airways 11 am flight from "+a1+" to "+b1);
```

```
System.out.println("Kingfisher 3 pm flight from "+a1+" to "+b1);
```

```
System.out.println("Indigo Airlines 8:30 am flight from "+a1+" to "+b1);
```

```
System.out.println("Deccan Airways 12:30 pm Superfast flight from "+a1+" to  
"+b1);
```

```
System.out.println("Indigo Airlines 5:50 pm Superfast flight from "+a1+" to  
"+b1);
```

```
System.out.println("Kingfisher 7:30 pm Superfast flight from "+a1+" to "+b1);
```

```
System.out.println("Enter time in whole no.\nFOR EX:-if you want to enter  
7:30 enter 730");
```

```
i=Integer.parseInt(in.readLine());
```



```
a1="";  
b1="";  
return(i);  
}
```

```
int charge()  
{  
    int x;x=0;  
    if((m=='C'&& n=='M') || (m=='M'&& n=='C'))  
        x=7000;  
    else if((m=='C'&& n=='D') || (m=='D'&& n=='C'))  
        x=9500;  
    else if((m=='C'&& n=='K') || (m=='K'&& n=='C'))  
        x=5000;  
    else if((m=='C'&& n=='H') || (m=='H'&& n=='C'))  
        x=3500;  
    else if((m=='C'&& n=='B') || (m=='B'&& n=='C'))  
        x=2900;  
    else if((m=='C'&& n=='T') || (m=='T'&& n=='C'))  
        x=5500;
```

else if((m=='C'&&n=='G') || (m=='G'&&n=='C'))

x=6500;

else if((m=='C'&&n=='A') || (m=='A'&&n=='C'))

x=10000;

else if((m=='C'&&n=='I') || (m=='I'&&n=='C'))

x=8500;

else if((m=='M'&&n=='D') || (m=='D'&&n=='M'))

x=6000;

else if((m=='M'&&n=='K') || (m=='K'&&n=='M'))

x=9000;

else if((m=='M'&&n=='H') || (m=='H'&&n=='M'))

x=4500;

else if((m=='M'&&n=='D') || (m=='B'&&n=='M'))

x=6500;

else if((m=='M'&&n=='T') || (m=='T'&&n=='M'))

x=8500;

else if((m=='M'&&n=='G') || (m=='G'&&n=='M'))

x=2500;

else if((m=='M'&&n=='A') || (m=='A'&&n=='M'))

x=8500;

else if((m=='M'&&n=='I') || (m=='I'&&n=='M'))

x=6300;

else if((m=='D'&&n=='I') || (m=='I'&&n=='D'))

x=6000;

else if((m=='D'&&n=='K') || (m=='K'&&n=='D'))

x=4000;

else if((m=='D'&&n=='H') || (m=='H'&&n=='D'))

x=7000;

else if((m=='D'&&n=='B') || (m=='B'&&n=='D'))

x=8000;

else if((m=='D'&&n=='T') || (m=='T'&&n=='D'))

x=10000;

else if((m=='D'&&n=='G') || (m=='G'&&n=='D'))

x=7000;

else if((m=='D'&&n=='A') || (m=='A'&&n=='D'))

x=5000;

else if((m=='K'&& n=='I') || (m=='I'&& n=='K'))

x=1500;

else if((m=='K'&& n=='H') || (m=='H'&& n=='K'))

x=6900;

else if((m=='K'&& n=='B') || (m=='B'&& n=='K'))

x=8000;

else if((m=='K'&& n=='T') || (m=='T'&& n=='K'))

x=10500;

else if((m=='K'&& n=='G') || (m=='G'&& n=='K'))

x=10000;

else if((m=='K'&& n=='A') || (m=='A'&& n=='K'))

x=7000;

else if((m=='H'&& n=='I') || (m=='I'&& n=='H'))

x=9000;

else if((m=='H'&& n=='B') || (m=='B'&& n=='H'))

x=1500;

else if((m=='H'&& n=='T') || (m=='T'&& n=='H'))

```
x=4500;
else if((m=='H'&&n=='G') || (m=='G'&&n=='H'))
x=2000;
else if((m=='H'&&n=='A') || (m=='A'&&n=='H'))
x=9800;
```

```
else if((m=='B'&&n=='I') || (m=='I'&&n=='B'))
x=10000;
else if((m=='B'&&n=='T') || (m=='T'&&n=='B'))
x=3000;
else if((m=='B'&&n=='A') || (m=='A'&&n=='B'))
x=11500;
else if((m=='B'&&n=='G') || (m=='G'&&n=='B'))
x=3000;
else if((m=='T'&&n=='I') || (m=='I'&&n=='T'))
x=12000;
else if((m=='T'&&n=='G') || (m=='G'&&n=='T'))
x=4500;
else if((m=='T'&&n=='A') || (m=='A'&&n=='T'))
x=11500;
```

```
else if((m=='A'&& n=='l') || (m=='l'&& n=='A'))
x=5900;
return(x);
}
```

```
void calculate()throws IOException
{
    if(kq.compareToIgnoreCase(kC)==0)
    {
        InputStreamReader read= new InputStreamReader(System.in);
        BufferedReader in= new BufferedReader(read);
        System.out.println("Enter total no. of tickets to be booked");
        z=Integer.parseInt(in.readLine());
        System.out.println("PLEASE ENTER THE DATE");
        System.out.println("Enter the day no.");
        day=Byte.parseByte(in.readLine());
        if(day<0&&day>31)
        {
            System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");
            calculate();
        }
    }
}
```

```
}  
System.out.println("Enter the month no");  
mon=Byte.parseByte(in.readLine());
```

```
if(mon<0 || mon>12)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}  
if(mon==4 || mon==6 || mon==9 || mon==11)  
{  
    if(day==31)  
    {  
        System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
        calculate();  
    }  
}  
if(mon==2&&day>29)  
{
```

```
System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
calculate();  
}
```

```
System.out.println("Enter the year");  
year=Short.parseShort(in.readLine());  
if(year<2013 || year>2050)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}  
if(year%4!=0&&mon==2&&day==29)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}  
ty=fltno();  
if(z==1)  
{
```



```
System.out.println("Enter the name of passenger ");  
name=in.readLine();
```

```
System.out.println("Enter the age");  
age=Integer.parseInt(in.readLine());
```

```
System.out.println("Enter the gender 'M' FOR MALE AND 'F' FOR  
FEMALE");
```

```
gen=(char)in.read();
```

```
v=(char)in.read();
```

```
if(gen=='m' || gen=='M')
```

```
p="MALE";
```

```
else if(gen=='f' || gen=='F')
```

```
p="FEMALE";
```

```
else
```

```
{
```

```
System.out.println("YOU HAVE ENTERED THE WRONG VALUES  
PLEASE RE-ENTER THE INFORMATION");
```

```
calculate();
```

```
}
```

```
System.out.println("Enter total weight which is to be carried");
```

```
kg=Double.parseDouble(in.readLine());
```

```
m1=charge();
```

```
if(k1==2 || k1==4 || k1==6 || k1==8 || k1==10 || k1==12)
```

```
tf=(m1+(kg)*2)+50;
```

```
else if(k1==9 || k1==130 || k1==7 || k1==1030)
```

```
tf=(m1+(kg)*2)+50+400;
```

```
System.out.println("\n\n-----  
-----");
```

```
System.out.println("TOTAL DISTANCE "+m1);
```

```
System.out.println("DATE OF RESERVATION "+day+"/"+mon+"/"+year);
```

```
System.out.println("CUSTOMER NAME "+name);
```

```
System.out.println("AGE "+age);
```

```
System.out.println("GENDER "+p);
```

```
System.out.println("FLIGHT NO. "+ty);
```

```
System.out.println("Total fair =" + Math.abs(tf) + "Rs\nHAPPY  
JOURNEY");
```

```
        System.out.println("-----\n\n");
    }
}
```

```
else if(z>1)
{
    for(q=1;q<=z;q++)
    {
        System.out.println("Enter the name of passenger "+q);
        name=in.readLine();
        System.out.println("Enter the age");
        age=Integer.parseInt(in.readLine());
        System.out.println("Enter the gender 'M' FOR MALE AND 'F' FOR
FEMALE");
        gen=(char)in.read();
        v=(char)in.read();
        if(gen=='m' || gen=='M')
            p="MALE";
    }
}
```

```
else if(gen=='f' || gen=='F')
```

```
p="FEMALE";
```

```
else
```

```
{
```

```
    System.out.println("YOU HAVE ENTERED THE WRONG VALUES  
PLEASE RE-ENTER THE INFORMATION");
```

```
    calculate();
```

```
}
```

```
System.out.println("\t\t\tEnter total weight which is to be  
carried");
```

```
kg=Double.parseDouble(in.readLine());
```

```
m1=charge();
```

```
if(k1==2 || k1==4 || k1==6 || k1==8 || k1==10 || k1==12)
```

```
tf=(m1+(kg)*2)+50;
```

```
else if(k1==9 || k1==130 || k1==7 || k1==1030)
```

```
tf=(m1+(kg)*2)+50+400;
```

```

        System.out.println("\n\n-----
-----");

        System.out.println("TOTAL DISTANCE "+m1);

        System.out.println("DATE OF RESERVATION
"+day+"/"+mon+"/"+year);

        System.out.println("CUSTOMER NAME "+name);

        System.out.println("AGE "+age);

        System.out.println("GENDER "+p);

        System.out.println("FLIGHT NO. "+ty);

        System.out.println("Total fair =" +Math.abs(tf)+"Rs\nHAPPY
JOURNEY");

        System.out.println("-----
-----\n\n");

        System.out.println("\n\nPRESS ENTER TO CONTINUE");

        v=(char)in.read();

    }

}

z=0;

kg=0;

tf=0;

m1=0;

k1=0;

n=0;

```

```
        m=0;
        repetition();
    }
}
```

```
void cancalcu()throws IOException
```

```
{
    if(kq.compareToIgnoreCase(ke)==0)
    {
        InputStreamReader read= new InputStreamReader(System.in);
        BufferedReader in= new BufferedReader(read);
        System.out.println("PLEASE ENTER THE DATE");
        System.out.println("Enter the day no.");
        day=Byte.parseByte(in.readLine());
        if(day<0&&day>31)
        {
            System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");
            calculate();
        }
    }
}
```

```
System.out.println("Enter the month no");
```

```
mon=Byte.parseByte(in.readLine());
```

```
if(mon<0 | |mon>12)
```

```
{
```

```
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");
```

```
    calculate();
```

```
}
```

```
if(mon==4 | |mon==6 | |mon==9 | |mon==11)
```

```
{
```

```
    if(day==31)
```

```
    {
```

```
        System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");
```

```
        calculate();
```

```
    }
```

```
}
```

```
if(mon==2&&day>29)
```

```
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}
```

```
System.out.println("Enter the year");  
year=Short.parseShort(in.readLine());  
if(year<2013 || year>2050)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}  
if(year%4!=0&&mon==2&&day==29)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}  
System.out.println("Enter total no. of tickets which were booked");  
z=Integer.parseInt(in.readLine());
```



```
System.out.println("Enter total weight which was to be carried");

kg=Double.parseDouble(in.readLine());

m1=charge();

if(k1==2 || k1==4 || k1==6 || k1==8 || k1==10 || k1==12)
tf=((m1+(kg)*2)*z+z*50)-z*500;
else if(k1==9 || k1==130 || k1==7 || k1==1030)
tf=((m1+(kg)*2)*z+z*50+z*400)-z*700;

System.out.println("DATE OF RESERVATION "+day+"/"+mon+"/"+year);

System.out.println("You refounded="+Math.abs(tf)+"Rs\nGood day");

z=0;

kg=0;

tf=0;

m1=0;

k1=0;

n=0;

m=0;

repetition();
```

```
}  
}
```

```
void pvtcalculate()throws IOException
```

```
{  
    if(kq.compareToIgnoreCase(kC)==0)  
    {  
        InputStreamReader read= new InputStreamReader(System.in);  
        BufferedReader in= new BufferedReader(read);  
        System.out.println("Enter total no. of tickets to be booked");  
        z=Integer.parseInt(in.readLine());  
        System.out.println("PLEASE ENTER THE DATE");  
        System.out.println("Enter the day no.");  
        day=Byte.parseByte(in.readLine());  
        if(day<0&&day>31)  
        {  
            System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
            calculate();  
        }  
    }  
}
```

```
}  
  
System.out.println("Enter the month no");  
  
mon=Byte.parseByte(in.readLine());
```

```
if(mon<0 || mon>12)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}  
  
if(mon==4 || mon==6 || mon==9 || mon==11)  
{  
    if(day==31)  
    {  
        System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
        calculate();  
    }  
}  
  
if(mon==2&&day>29)
```

```
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}
```

```
System.out.println("Enter the year");  
year=Short.parseShort(in.readLine());  
if(year<2013 || year>2050)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}  
if(year%4!=0&&mon==2&&day==29)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}  
ty=fltno();
```

```
if(z==1)
{
    System.out.println("Enter the name of passenger ");
    name=in.readLine();
    System.out.println("Enter the age");
    age=Integer.parseInt(in.readLine());
    System.out.println("Enter the gender 'M' FOR MALE AND 'F' FOR
FEMALE");
    gen=(char)in.read();
    v=(char)in.read();
    if(gen=='m' || gen=='M')
        p="MALE";
    else if(gen=='f' || gen=='F')
        p="FEMALE";
```

```
else
```

```
{
```

```
    System.out.println("YOU HAVE ENTERED THE WRONG");
```

```
    calculate();
```

```
}
```

```
System.out.println("Enter total weight which is to be carried");
```

```
kg=Double.parseDouble(in.readLine());
```

```
m1=charge();
```

```
if(k1==430 || k1==3 || k1==830 || k1==11)
```

```
tf=(m1+(kg)*2)+50;
```

```
else if(k1==1230 || k1==550 || k1==730)
```

```
tf=(m1+(kg)*2)+50+400;
```

```
System.out.println("\n\n-----  
-----");
```

```
System.out.println("TOTAL DISTANCE "+m1);
```

```
System.out.println("DATE OF RESERVATION "+day+"/"+mon+"/"+year);
```

```
System.out.println("CUSTOMER NAME "+name);
```

```
System.out.println("AGE "+age);
```

```
System.out.println("GENDER "+p);
```

```

        System.out.println("FLIGHT NO. "+ty);

        System.out.println("Total fair =" + Math.abs(tf) + "Rs\nHAPPY
JOURNEY");

        System.out.println("-----
-----\n\n");
    }

```

```

    if(z>1)
    {
        for(q=1;q<=z;q++)
        {
            System.out.println("Enter the name of passenger "+q);
            name=in.readLine();

            System.out.println("Enter the age");
            age=Integer.parseInt(in.readLine());

            System.out.println("Enter total weight which IS TO BE CARRIED");
            kg=Double.parseDouble(in.readLine());

            System.out.println("Enter the gender 'M' FOR MALE AND 'F' FOR
FEMALE");

            gen=(char)in.read();

            if(gen=='m' || gen=='M')

```

```
p="MALE";  
else if(gen=='f' || gen=='F')  
p="FEMALE";
```

```
else
```

```
{
```

```
    System.out.println("YOU HAVE ENTERED THE WRONG VALUES  
PLEASE RE-ENTER THE INFORMATION");
```

```
    pvtcalculate();
```

```
}
```

```
m1=charge();
```

```
if(k1==430 || k1==3 || k1==830 || k1==11)
```

```
tf=(m1+500+(kg)*2)+50;
```

```
else if(k1==1230 || k1==550 || k1==730)
```

```
tf=(m1+500+(kg)*2)+50+400;
```

```
System.out.println("\n\n-----  
-----");
```

```
System.out.println("TOTAL DISTANCE "+m1);
```



```
        System.out.println("DATE OF RESERVATION  
"+day+"/"+mon+"/"+year);
```

```
        System.out.println("CUSTOMER NAME "+name);  
        System.out.println("AGE "+age);  
        System.out.println("GENDER "+p);  
        System.out.println("FLIGHT NO. "+ty);  
        System.out.println("Total fair= "+Math.abs(tf)+"Rs\nHAPPY  
JOURNEY");  
        System.out.println("-----  
-----\n\n");  
        System.out.println("PRESS ENTER TO CONTINUE");  
        v=(char)in.read();  
    }  
  
}
```

```
z=0;
```

```
kg=0;
```

```
tf=0;
```

```
m1=0;
```

```
k1=0;
```

```
n=0;
```

```
m=0;
```

```
repetition();
```

```
}
```

```
}
```

```
void canpvocalcu()throws IOException
```

```
{
```

```
if(kC.compareToIgnoreCase(ke)==0)
```

```
{
```

```
InputStreamReader read= new InputStreamReader(System.in);
BufferedReader in= new BufferedReader(read);
System.out.println("PLEASE ENTER THE DATE");
    System.out.println("Enter the day no.");

    day=Byte.parseByte(in.readLine());
    if(day<0&&day>31)
    {
        System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");
        calculate();
    }
    System.out.println("Enter the month no");
    mon=Byte.parseByte(in.readLine());
    if(mon<0 | |mon>12)
    {
        System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");
        calculate();
    }
    if(mon==4 | |mon==6 | |mon==9 | |mon==11)
```

```
{
```

```
    if(day==31)
```

```
    {
```

```
        System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");
```

```
        calculate();
```

```
    }
```

```
}
```

```
if(mon==2&&day>29)
```

```
{
```

```
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");
```

```
    calculate();
```

```
}
```

```
System.out.println("Enter the year");
```

```
year=Short.parseShort(in.readLine());
```

```
if(year<2013 || year>2050)
```

```
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}
```

```
if(year%4!=0&&mon==2&&day==29)  
{  
    System.out.println("WRONG DATE ENTERED PLEASE RE-ENTER");  
    calculate();  
}
```

```
System.out.println("Enter total no. of tickets which were booked");
```

```
z=Integer.parseInt(in.readLine());
```

```
System.out.println("Enter total weight which is to be carried");
```

```
kg=Double.parseDouble(in.readLine());
```

```
m1=charge();
```

```
if(k1==430 || k1==3 || k1==830 || k1==11)
```

```
tf=((m1+500+(kg)*2)*z+z*50)-z*800;
```

```
else if(k1==1230 || k1==550 || k1==730)
```

```
tf=((m1+500+(kg)*2)*z+z*50+z*400)-z*1000;
```

```
System.out.println("DATE OF RESERVATION "+day+"/"+mon+"/"+year);
```

```
System.out.println("You refunded="+Math.abs(tf)+"Rs\nGood Day");
```

```
z=0;
```

```
kg=0;
```

```
tf=0;
```

```
m1=0;
```

```
m=0;
```

```
n=0;
```

```
repetition();
```

```
}
```

```
}
```

```
String checkn()throws IOException
```

```
{
```

```
o1="";
```

```
for (q=0;q<10;q++)
```

```
{
```

```
    if(f[q]==n)
```

```
    {
```

```
        o1=h1[q];
```

```
    }
```

```
}
```

```
if(o1.compareToIgnoreCase("")==0)
```

```
{
```

```
    System.out.println("\n\n\n\n!!!WRONG CHOICE!!!\nPLEASE RE-ENTER THE  
VALUES");
```

```
    main();
```

```
}
```

```
return(o1);
```

```
}
```

String checkm()throws IOException

```
{
```

```
    o1="";
```

```
    for (q=0;q<10;q++)
```

```
    {
```

```
        if(f[q]==m)
```

```
        {
```

```
            o1=h1[q];
```

```
        }
```

```
    }
```

```
    if(o1.compareToIgnoreCase("")==0)
```

```
    {
```

```
        System.out.println("\n\n\n\n!!!WRONG CHOICE!!!\nPLEASE RE-ENTER THE  
VALUES");
```

```
        main();
```

```
    }
```

```
    return(o1);
```



```
}
```

```
void repetation()throws IOException
```

```
{
```

```
    if(kq.compareToIgnoreCase(ke)==0)
```

```
    {
```

```
dep=0;des=0;n=0;m=0;v=0;k1=0;z=0;m1=0;ty=0;gen=0;q=0;age=0;kg=0;tf=0;name  
=null;p=null;
```

```
        InputStreamReader read= new InputStreamReader(System.in);
```

```
        BufferedReader in= new BufferedReader(read);
```

```
        System.out.println("ENTER Y TO CONTINUE AND ANY OTHER WORD TO  
END THE PROGRAM");
```

```
        char rep=(char)in.read();
```

```
        v=(char)in.read();
```

```
        if(rep=='Y' || rep=='y')
```

```
        main();
```


}

}

}