**PROGRAM:**

**packageallclass;**

public class cur

{

double d,i,e,i1,y,i2,i3,y1;

public double dtoi(double d)

{

i=(d\*68.44);

return i;

}

public double etoi(double e)

{

i1=(e\*80.10);

return i1;

}

public double ytoi(double y)

{

i2=(y\*0.61);

return (double)i2;

}

public double itoy(double i3)

{

y1=(i3\*1.61);

return y1;

}

}

**packageallclass;**

public class dis

{

double km,m,mi1,km1,km2,mi2;

public double mtok(double m)

{

km=(m\*0.001);

return km;

}

public double mi1tokm(double mi1)

{

km1=(mi1\*1.6093);

return km1;

}

public double kmtomi(double km2)

{

mi2=(km2\*0.62);

return mi2;

}

}

**packageallclass;**

public class tim

{

double h,mi,s,mi1,mi2,s1;

public double htom(double h)

{

mi=(h\*60);

return mi;

}

public double stom(double s)

{

mi1=(s\*0.016);

return mi1;

}

public double mitos(double mi2)

{

s1=(mi2\*60);

return s1;

}

}

import java.io.\*;

importjava.util.Scanner;

importallclass.\*;

public class converterpgm

{

public static void main(String args[])

{

//char ch;

int choice,c3,c1,c2,ch;

double d1,inr1,e1,inr2,y2,inr3,i4,inr4,h1,mi3,mi4,s1,mi5,s2,m1,km3,mi8,km4,km5,mi7;

cur c=new cur();

tim t=new tim();

dis d=new dis();

do

{

Scanner input=new Scanner(System.in);

System.out.println(" 1. Currency converter \n 2.Time converter \n 3. Distance conveter \n");

choice=input.nextInt();

switch(choice)

{

case 1:

System.out.println(" 1. dollar to inr \n 2. euro to inr \n 3. yen to inr \n 4. inr to yen \n");

c3=input.nextInt();

switch(c3)

{

case 1:

System.out.println("Enter the dollar value \n");

d1=input.nextDouble();

inr1=c.dtoi(d1);

System.out.println("INR Value" + inr1);

break;

case 2:

System.out.println("Enter the euro value \n");

e1=input.nextDouble();

inr2=c.etoi(e1);

System.out.println("INR Value" + inr2);

break;

case 3:

System.out.println("Enter the yen value \n");

y2=input.nextDouble();

inr3=c.ytoi(y2);

System.out.println("INR Value" + inr3);

break;

case 4:

System.out.println("Enter the inr value \n");

i4=input.nextDouble();

inr4=c.itoy(i4);

System.out.println("YEN Value" + inr4);

break;

default:

System.out.println("Invalid input");

break;

}

break;

case 2:

System.out.println(" 1. hour to minuntes \n 2. seconds to minutes \n 3. minutes to seconds \n");

c1=input.nextInt();

switch(c1)

{

case 1:

System.out.println("Enter the hour value \n");

h1=input.nextDouble();

mi3=t.htom(h1);

System.out.println("Minutes value:"+mi3);

break;

case 2:

System.out.println("Enter the seconds value \n");

s1=input.nextDouble();

mi4=t.stom(s1);

System.out.println("Minutes value:"+mi4);

break;

case 3:

System.out.println("Enter the minutes value \n");

mi5=input.nextDouble();

s2=t.mitos(mi5);

System.out.println("Seconds value:"+s2);

break;

default:

System.out.println("Invalid input");

break;

}

break;

case 3:

System.out.println(" 1. meter to km \n 2. miles to km \n 3. km to miles \n");

c2=input.nextInt();

switch(c2)

{

case 1:

System.out.println("Enter the meter value \n");

m1=input.nextDouble();

km3=d.mtok(m1);

System.out.println("KM Value"+ km3);

break;

case 2:

System.out.println("Enter the miles value \n");

mi8=input.nextDouble();

km4=d.mtok(mi8);

System.out.println("KM Value"+ km4);

break;

case 3:

System.out.println("Enter the KM value \n");

km5=input.nextDouble();

mi7=d.mtok(km5);

System.out.println("Miles Value"+ mi7);

break;

default:

System.out.println("Invalid input");

break;

}

break;

}

System.out.println("Do you want to continue (yes(1)/no(0))");

ch=input.nextInt();

}while(ch==1);

}

}

OUTPUT :2

