Program 5

5. Develop a java application to implement currency converter (Dollar to INR, EURO to INR, Yen to INR and vice versa), distance converter (meter to KM, miles to KM and vice versa), time converter (hours to minutes, seconds and vice versa) using packages.

Program code:

CurrencyC.java

```
package cc;
import java.util.*;
public class CurrencyC
{
double inr,usd;
double euro,yen;
Scanner in=new Scanner(System.in);
public void dollartorupee()
{
System.out.println("Enter dollars to convert into Rupees:");
usd=in.nextInt();
inr=usd*83.36;
System.out.println("Dollar ="+usd+" equal to INR="+inr);
System.out.println("\n");
}
public void rupeetodollar()
{
System.out.println("Enter Rupee to convert into Dollars:");
inr=in.nextInt();
usd=inr/83.36;
System.out.println("Rupee ="+inr+"equal to Dollars="+usd);
}
public void eurotorupee()
 {
System.out.println("Enter Euro to convert into Rupees:");
euro=in.nextInt();
inr=euro*89.76;
System.out.println("Euro ="+euro+" equal to INR="+inr);
System.out.println("\n");
}
public void rupeetoeuro()
{
```

```
System.out.println("Enter Rupees to convert into Euro:");
inr=in.nextInt();
euro=(inr/89.76);
System.out.println("Rupee ="+inr +"equal to Euro="+euro);
System.out.println("\n");
}
public void yentoruppe()
{
System.out.println("Enter Yen to convert into Rupees:");
yen=in.nextInt();
inr=yen*0.57;
System.out.println("Yen ="+yen+" equal to INR="+inr);
System.out.println("\n");
}
public void ruppetoyen()
{
System.out.println("Enter Rupees to convert into Yen:");
inr=in.nextInt();
yen=(inr/0.57);
System.out.println("INR="+inr +"equal to YEN"+yen);
System.out.println("\n");
}
}
```

DistanceC.java

```
package dc;

import java.util.*;
public class DistanceC
{
double km,m,miles;
Scanner in=new Scanner(System.in);
public void mtokm()
{
System.out.println("Enter the distance in meter");
m=in.nextDouble();
km=(m/1000);
System.out.println(m+"m" +" is equal to "+km+"km");
System.out.println("\n");
}
public void kmtom()
```

```
{
System.out.println("Enter the distance in Kilometer");
km=in.nextDouble();
m=km*1000;
System.out.println(km+"km" +" is equal to "+m+"m");
System.out.println("\n");
}
public void milestokm()
{
System.out.println("Enter the distance in miles");
miles=in.nextDouble();
km=(miles*1.60934);
System.out.println(miles+"miles" +" is equal to "+km+"km");
System.out.println("\n");
}
public void kmtomiles()
{
System.out.println("Enter the distance in km");
km=in.nextDouble();
miles=(km*0.621371);
System.out.println(km+"km" +" is equal to "+miles+"miles");
}
}
```

TimeC.java

```
package tc;
import java.util.*;
public class TimeC
{
int hours,seconds,minutes;
Scanner in = new Scanner(System.in);
public void hourstominutes()
{
System.out.println("Enter the no of Hours to convert into minutes");
hours=in.nextInt();
minutes=(hours*60);
System.out.println("Minutes: " + minutes);
}
public void minutestohours()
{
```

```
System.out.println("Enter the no of Minutes to convert into Hours");
minutes=in.nextInt();
hours=minutes/60;
System.out.println("Hours: " + hours);
}
public void hourstoseconds()
{
System.out.println("Enter the no of Hours to convert into Seconds");
hours=in.nextInt();
seconds=(hours*3600);
System.out.println("Seconds: " + seconds);
}
public void secondstohours()
{
System.out.println("Enter the no of Seconds to convert into Hours");
seconds=in.nextInt();
hours=seconds/3600;
System.out.println(seconds+"seconds"+ " is equal to "+hours+"hour");
}
}
```

MainC.java

```
package mc;
import cc.*;
import dc.*;
import tc.*;
public class Main
{
public static void main(String args[])
{
CurrencyC obj=new CurrencyC();
DistaceC obj1=new DistanceC();
TimeC obj2=new TimeC();
obj.dollartorupee();
obj.rupeetodollar();
obj.eurotorupee();
obj.rupeetoeuro();
obj.yentoruppe();
obj.ruppetoyen();
obj1.mtokm();
obj1.kmtom();
obj1.milestokm();
obj1.kmtomiles();
obj2.hourstominutes();
```

```
obj2.minutestohours();
obj2.hourstoseconds();
obj2.secondstohours();
}
}
```