Create a package to convert temperature in centigrade into Fahrenheit and one more package to calculate the simple interest. Implements both package in the main () by accepting the required inputs for each application.

Package 1:

package pack1;

public class Convert

{

public double ctof(double c)

{

return(c\*9/5.0+32);

}

}

Package 2:

package pack2;

public class Simple

{

public double si(double p, double t, double r)

{

return((p\*t\*r)/100);

}

}

Program name PackPgm

import pack1.Convert;

import pack2.Simple;

import java.io.\*;

import java.lang.\*;

class PackPgm

{

public static void main(String[] args)throws IOException

{

double temp,p,t,r;

int ch;

DataInputStream in = new DataInputStream(System.in);

do

{

System.out.println("\*\*\*\*MENU\*\*\*\*");

System.out.println("1.Temperature Conversion");

System.out.println("2.Simple Interest");

System.out.println("Enter Your Choice");

ch = Integer.parseInt(in.readLine());

switch(ch)

{

case 1: System.out.println("Enter Temperature in degree Celsius");

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

Convert obj = new Convert();

System.out.println("Temp in `F is "+obj.ctof(temp));

break;

case 2: System.out.println("Enter Value for P, T and R");

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

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

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

Simple obj1 = new Simple();

System.out.println("Simple Interest is "+obj1.si(p,t,r));

}

}while(ch>=1 && ch<=2);

}

}

OUTPUT

\*\*\*\*MENU\*\*\*\*

1. Temperature Conversion

2. Simple Interest

Enter Your Choice

1

Enter Temperature in degree Celsius

37

Temp in `F is98.6

\*\*\*\*MENU\*\*\*\*

1. Temperature Conversion

2. Simple Interest

Enter Your Choice

2

Enter Value for P, T and R

2500

12

20

Simple Interest is6000.0

\*\*\*\*MENU\*\*\*\*

1. Temperature Conversion

2. Simple Interest

Enter Your Choice

2

Enter Value for P, T and R

200

10

20

Simple Interest is400.0

\*\*\*\*MENU\*\*\*\*

1. Temperature Conversion

2. Simple Interest

Enter Your Choice