```
//S Harshini-185001058
// 1

package shapes;
public class Triangle
{
	float base,height;
	public Triangle(float base,float height)
	{
		this.base=base;
		this.height=height;
	}
	public void tperi()
	{
		System.out.println("the perimeter of triangle is sum of three sides");
	}
	public void tarea()
	{
		float a=0.5F*base*height;
		System.out.println("the area of triangle is "+a);
	}
}

package shapes;
public class Square
{
	float side;
	public Square(float side)
	{
		this.side=side;
	}
	public void speri()
	{
		float p=4F*side;
		System.out.println("the perimeter of square is"+p);
	}
	public void sarea()
	{
		float a=side*side;
		System.out.println("the area of square is "+a);
	}
}
```

```
package shapes;
public class Circle
{
	float radius;
	public Circle(float radius)
	{
		this.radius=radius;
	}
	public void cperi()
	{
		float p=6.28F*radius;
		System.out.println("the perimeter of the circle is "+p);
	}
	public void carea()
	{
		float a=3.14F*radius*radius;
		System.out.println("the area of circle is "+a);
	}
}

import shapes.*;
public class Main
{
	public static void main(String argv[])
	{
		Square s=new Square(4);
		s.speri();
		s.sarea();
		Triangle t=new Triangle(4,5);
		t.tperi();
		t.tarea();
		Circle c=new Circle(1);
		c.cperi();
		c.carea();
	}
}

/*
SAMPLE INPUT/OUTPUT
C:\Users\Harshini\Desktop>javac Main.java

C:\Users\Harshini\Desktop>java Main
the perimeter of square is16.0
```

```
the area of square is 16.0
the perimeter of triangle is sum of three sides
the area of triangle is 10.0
the perimeter of the circle is 6.28
the area of circle is 3.14

*/

//2
package mypack.convertor;
public class CurrencyConvertor
{
	public void d_inr(float d)
	{
		float inr=d*71.98F;
		System.out.println(" Dollar to INR "+inr);
	}
	public void euro_inr(float d)
	{
		float inr=d*79.36F;
		System.out.println(" Euro to INR "+inr);
	}
	public void yen_inr(float d)
	{
		float inr=d*0.68F;
		System.out.println(" Yen to INR "+inr);
	}
}

package mypack.convertor;
public class DistanceConvertor
{
	public void m_km(float m)
	{
		float km=0.001F*m;
		System.out.println("Metre to kilometre "+km);
	}
	public void miles_km(float mi)
	{
		float km=1.6F*mi;
		System.out.println("Miles to kilometre "+km);
	}
}
```

```
package mypack.convertor;
public class TimeConvertor
{
	public void h_m(int h)
	{
		int m=60*h;
		System.out.println("hours to minutes "+m);
	}
	public void m_s(int m)
	{
		int s=m*60;
		System.out.println("minutes to seconds "+s);
	}
}

import mypack.convertor.*;
public class Main
{
	public static void main(String arg[])
	{
		CurrencyConvertor c=new CurrencyConvertor();
		c.d_inr(10);
		c.euro_inr(10);
		c.yen_inr(10);
		DistanceConvertor d=new DistanceConvertor();
		d.m_km(1000);
		d.miles_km(10);
		TimeConvertor t=new TimeConvertor();
		t.h_m(2);
		t.m_s(3);
	}
}

/*
SAMPLE INPUT/OUTPUT
C:\Users\Harshini\Desktop>javac Main.java

C:\Users\Harshini\Desktop>java Main
 Dollar to INR 719.80005
 Euro to INR 793.6
 Yen to INR 6.8
Metre to kilometre 1.0
```

Miles to kilometre 16.0
hours to minutes 120
minutes to seconds 180
*/