ABSTRACT CLASS

```
1. abstract class shape
   {
      int a=3, b=4;
      abstract public void print-area();
   }


   class rectangle extends shape
   {
      public int area-rect;
      public void print-area()
      {

         area-rect= a*b;
         SOP (" the area of rectangle is:" + area-rect);
      }
   }

   class triangle extends shape
   {
      int area-tri;
      public void print-area()
      {

   area-tri = (int) (0.5 * a*b);
      SOP (" the area of triangle is:" + area-tri);
      }
   }

   class circle extends shape.
   {
      int area-circle;
public print void print-area()
      {

         area-circle = (int) (3.14 * a *a);
```

```java
        SOP("The area of circle is:" + area-circle);
    }
}

public class JavaApp.
{
    public static void main (String args[])
    {
        rectangle r = new rectangle();
        r.print-area();
        triangle t = new triangle();
        t.print-area();
        circle c = new circle();
        c.print-area();
    }
}
```

```
C:\Users\91966\Desktop\OOJLAB>java JavaApp
The area of rectangle is:12
The area of triangle is:6
The area of circle is:28
```