```
emport java util . Scanner;
  abstract class shape
  private unt a, b;
  void setshape (int x, inty)
      Q = x',
   int getal)
  int getb()
{ return b',
abstract public void print area ();
 class reutangle intends shape
 { private int aver-rest;
   rectangle ( int x , int y)
    E set snape (n, y);
  public void point area ()
   over - rect = get Q() * getb ();
```

```
System. out printly ("Area of redargle ii! + ares
  Clase triangle extends snape
    private double area toi;
  triangle (lut x, lut y)
   Setshape (n,y);
  public void print - avoa ()
   aueq-tri = (qeta () * qet(b))/2 ,
 System out printle (" The area of triangle is!"
                             + area -to )'
class circle extends shape
  private double avez_circle;
   circle (m+y)
  } setshape (o,y);
  public void print_ area()
  aver_ circle = (3.14) * 9046() * 90+6());
System out printly (" Area of circle is " area
                      circle);
```

public class Main public static void main (string[] areas) & Scanner xx = new Scanner (System. in); System. out . printle [" Enter the length of retagle:"] a = XX. next Int (); System out printer ("Enter the breadth of retargle!"); b = XX. next Int (); restaugle vz new restaugle (a, b); r. print_area(); System. out. printen (" Enter the height of tringle!") az xx' next Int (). System. out print In (" Enter the baye of trangle!"); b= xx. next Int (); trangle += new toiangle (a,b); tipnnt - area (); System. out. printen (" Enter the vadins of avall!" az xx. net Int (); circle c= new circle (9) ; C. print_area();