```
4  abstract class shape
   {
   int side1, side2;
   double area;
   abstract void printArea();
   }
   class Rectangle extends shape
   {
   Rectangle (int l, int b)
   {
   side 1 = l;
   side 2 = b;
   }
   void printArea ()
   {
   area = side 1 * side 2;
   System.out.println ("the area of Rectangle is
        : " + area );
   }
   }
   class Triangle extends shape
   {
   Triangle (int h, int b)
   {
   side 7 = h;
   side 2 = b;
   }
   void printArea ()
   {
   area = 0.5 * side 1 * side 2;
   System.out.println ("the Area of the triangle
```

```
class Circle extends shape
{
    Circle (int r)
    {
        side1 = r;
    }
    void printArea ()
    {
        area = 3.14 * side1 * side1.
        System.out.println ("the Area of the Circle is
        : " + area );
    }
}
class ShapeMain
{
    public static void main ( String args[])
    {
        Rectangle rect = new Rectangle (5,6);
        rect. print Area();
        Triangle tri = new Triangle (5,8);
        tri. printArea ();
        Circle cir = new Circle (10);
        cir. print Area ();
    }
}.
```