Lab #4:

```
abstract class Shape
{
  double num1,num2 ;
  abstract double printArea();
}
class Rectangle extends Shape
{
    Rectangle (double a ; double b)
    {
        num1 =a;
        num 2 =b;
    }
    double printArea()
    {
      System.out.println("Area of the rectangle is:");
      return num1*num2;
    }
}
```

```
class Triangle extends Shape
{
    Triangle ( double a , double b)
    {
        num1 = a;
        num2 = b;
    }
    double printAreac ).
    {
      System.out.println("Area of the triangle is:");
      retuen num1*num2/2;
    }
}
class Circle extends Shape
 {
    Circle (double a)
    {
      num1 =a;
    }
```

```
double printArea()
{
  System.Out.println("Area of Circle is :");
  return 3.14*num1*num1;
}
}

Class Shapemain
{
  public static void main(String args[])
  {
    Rectangle r = new Rectangle(10,10);
    Triangle t = new Triangle(10,5);
    Circle c = new circle(5);
    System.out.println(r.printArea());
    System.out.println(t.printArea());
    System.out.println(c.printArea());
  }
}
```