OOJ-LAB-4 RUBEN MATHEW
1BM19CS207

```
import java.util.Scanner;
abstract class Shape
{ int a;
  int b;
  abstract void printArea();
}
class Rectangle extends Shape
{
    Rectangle(int x, int y)
    { a=x; b=y; }

void printArea()
{ System.out.println("Area is "+(a*b));
}
}
class Triangle extends Shape
{ Triangle(int x, int y)
    { a=x; b=y; }
  void printArea()
  { System.out.println("Area"+(0.5*
                              a*b));
  }
}
class Circle extends Shape
{   Circle(int x)
    { System.out.println("Area"+(3.14*
                              x*x));
      { a=x; }
    void printarea()
    { System.out.println("Area",(3.14*a*a));
    }
}
```

Scanned with CamScanner

```
class shapes
{ public static void main(String ss[])
  {
    int l, b, ba, h, ra;
    Scanner sc: new Scanner( System.in);

System.out.println(" length and breadth")
    l= sc.nextInt();
    b = sc.nextInt();
  Rectangle r= new Rectangle ( l, b);
    r.printArea();

System.out.println("Enter base and height")
    ba=sc.nextInt();
    h: sc.nextInt();
  Triangle t= new Triangle ( ba, h),
    t.printArea();

System.out.println(" Enter radius")
    ra:sc.nextInt();
   Circle  c= new circle ( ra );
    c.print areal ),

  }

}.
```

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