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1BM19CS041

```
import java.util.Scanner;
abstract class Shape
 {
  double
   int int1, int2;
   abstract double printArea();
 }
class Rectangle extends Shap
 {
   Rectangle (int a, int b)
    {int1 = a;
     int2 = b;
    }
   double printArea()
    {
    System.out.println("For Rectangle");
     return int1*int2;
    }
}
class Triangle extends Shape
 {
  Triangle (int a, int b)
   { int1 = a;
     int2 = b;
   }
   double printArea()
   {
   System.out.println("For Tricagle");
   return (int1*int2)/2
   }
}
```

```
class Circle extends Shape
  {
   Circle(int a)
    int l = a;
    }
    double printArea()
    {
    System.out.println("for Circle");
    return 3.14*int l *int l;
    }
}
class ShapeMain
{
  public static void main(String args[])
   {
    Rectangle r = new Rectangle(10, 20);
    Triangle t = new Triangle(20, 30);
    Circle c = new Circle(35);
    System.out.println("Area of Rectangle is:"+
                                r.printArea());

    System.out.println("Area of Triangle is :"
                                +t.printArea());

    System.out.println("Area of Circle is:"+c.print
                                Area());

    }
}
```