

LAB PROGRAM 4 :-

```
{ abstract class Shape
```

```
{    int a = 5, b = 4;
```

```
    abstract void printArea();
```

```
}
```

```
{ class Rectangle extends Shape
```

```
{    void printArea()
```

```
{
```

```
    System.out.println("area of rectangle: " + (a*b));
```

```
}
```

```
}
```

```
{ class Triangle extends Shape
```

```
{    void printArea()
```

```
{
```

```
    System.out.println("area of triangle: " + (a*b/2));
```

```
}
```

```
}
```

```
{ class Circle extends Shape
```

```
{    void printArea()
```

```
{
```

```
    System.out.println("area of circle: " + (3.14*a*a));
```

```
}
```

```
}
```

```
{ class labprog4
```

```
{
```

```
    public static void main (String args[])
```

```
{
```

```
        Rectangle r = new Rectangle();
```

```
    t.printArea();  
Triangle t = new Triangle();  
t.printArea();  
Circle c = new Circle();  
c.printArea();
```

}

}