```java
import java.util.Scanner;

abstract class Shape{
    int b,h;
    Shape(int b, int h){
        this.b = b;
        this.h = h;
    }
    void printArea(){};
}

class Rectangle extends Shape{
    Rectangle(int b, int h){
        super(b,h);
    }

    void printArea() {
        System.out.println("Area of the rectangle is " + (b*h));
    };
}

class Triangle extends Shape{
    Triangle(int b, int h){
        super(b,h);
    }

    void printArea() {
        System.out.println("Area of the triangle is " + ((b*h)/2));
    };
}

class Circle extends Shape{
    Circle(int r){
        super(r,r);
```

```java
27          void printArea() {
28              System.out.println("Area of the triangle is " + ((b*h)/2));
29          };
30      }
31
32      class Circle extends Shape{
33          Circle(int r){
34              super(r,r);
35          }
36
37          void printArea() {
38              System.out.println("Area of the cicle is " + (Math.PI*h*h));
39          };
40      }
41
42      public class Lab9{
            Run | Debug
43          public static void main(String[] args) {
44              Rectangle rect = new Rectangle(10, 5);
45              Triangle tri = new Triangle(10, 5);
46              Circle c = new Circle(10);
47              rect.printArea();
48              tri.printArea();
49              c.printArea();
50          }
51      }
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\SAI RAMAKRISHNA\Desktop> cd "c:\Users\SAI RAMAKRISHNA\Desktop" ;
Area of the rectangle is 50
Area of the triangle is 25
Area of the cicle is 314.1592653589793
PS C:\Users\SAI RAMAKRISHNA\Desktop>
```