

Wk8prog1 - Notepad

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```
import java.util.Scanner;
```

```
abstract class Shape{
```

```
int b,h;
```

```
Shape(int base, int height){
```

```
this.b = base;
```

```
this.h = height;
```

```
}
```

```
void printArea(){};
```

```
}
```

```
class Rectangle extends Shape{
```

```
Rectangle(int base, int height){
```

```
super(base,height);
```

```
}
```

```
void printArea() {
```

```
System.out.println("Area of the rectangle is = " + (b*h));
```

```
};
```

```
}
```

```
class Triangle extends Shape{
```

```
Triangle(int base, int height){
```

```
super(base,height);
```

```
}
```

```
void printArea() {
```

```
System.out.println("Area of the triangle is = " + ((b*h)/2));
```

```
};
```

```
}
```

```
class Circle extends Shape{
```

```
Circle(int height){
```

```
super(0,height);
```

```
}
```

```
void printArea() {
```

```
System.out.println("Area of the circle is = " + (3.14*h*h));
```

```
};
```

```
}
```

```
class Wk8prog1{
```

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

```
Rectangle r = new Rectangle(10, 5);
```

```
Triangle t = new Triangle(10, 5);
```

```
Circle c = new Circle(10);
```

```
r.printArea();
```

```
t.printArea();
```

```
c.printArea();
```

```
}
```

```
}
```


C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.18362.1139]
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C:\Users\AKSHAY RASTOGI>cd desktop/java prog

C:\Users\AKSHAY RASTOGI\Desktop\java prog>javac Wk8prog1.java

C:\Users\AKSHAY RASTOGI\Desktop\java prog>java Wk8prog1

Area of the rectangle is = 50

Area of the triangle is = 25

Area of the circle is = 314.0

C:\Users\AKSHAY RASTOGI\Desktop\java prog>

