

Area Abstract

Date : _____

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

```
class Shape {
```

```
    int slenght;
```

```
    int sbreadth;
```

```
    void printArea() {
```

```
    }
```

```
    Scanner Sinp = new Scanner(System.in);
```

```
}
```

```
class Rectangle extends Shape {
```

```
    void printArea() {
```

```
        System.out.println("Enter the lenght of rect");
```

```
        slenght = Sinp.nextInt();
```

```
        System.out.println("Enter breath of rect");
```

```
        sbreadth = Sinp.nextInt();
```

```
        System.out.println("The area of Rectangle  
is : " + (sbreadth * slenght));
```

```
    }
```




```
class Triangle extends Shape {
```

```
void printArea() {
```

```
System.out.println("Enter the height:");
```

```
Slenght = Sinp.nextInt();
```

```
System.out.println("Enter the base:");
```

```
Sbreadth = Sinp.nextInt();
```

```
System.out.println("The Area of triangle is  
" + (S * Sbreadth * Slenght));
```

```
}
```

```
}
```

```
class Circle extends Shape {
```

```
void printArea() {
```

```
System.out.println("Enter the radius:");
```

```
Slength = Sinp.nextInt();
```

```
System.out.println("The area of circle  
is : " + (3.143 * Slength * Slength));
```

```
}
```

```
}
```



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```
public class App2 .
```

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

```
throws Exception {
```

```
Rectangle R1 = new Rectangle ();
```

```
Triangle T1 = new Triangle ();
```

```
Circle C1 = new Circle ();
```

```
R1.printArea ();
```

```
T1.printArea ();
```

```
C1.printArea ();
```

```
}
```

```
}
```

OOJLAB - Java1/src/ App.java - Eclipse IDE

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Transactions.java App.java

1 package javal;
2

Problems Javadoc Declaration Console

<terminated> App [Java Application] C:\Users\shivanshu\p2\poo\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_14.0.2.v20200815-0932\jre\bin\javaw.exe (06-Nov-2020, 3:11:08 pm - 3:11:33 pm)
Enter the lenght of Rectangle
10
Enter the breadth of Rectangle
20
The AREA of RECTANGLE is : 200
Enter the Height :
11
Enter the Base :
10
The AREA of TRIANGLE is : 55.0
Enter the Radius :
7
The AREA of CIRCLE is : 154.00699999999998