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1BM19CS187

'3D' Batch 2

OOT

Date: 6/11/2020

(LAB 4)

```
abstract class Shape
```

```
{
```

```
    int a=3;
```

```
    int b=4;
```

```
    abstract public void print_area();
```

```
}
```

```
class rectangle extends Shape
```

```
{
```

```
    public int area_rect;
```

```
    public void print_area()
```

```
{
```

```
        area_rect = a*b;
```

```
        System.out.println("The area of rectangle is:"
```

```
        + area_rect);
```

```
}
```

```
}
```

```
class triangle extends Shape
```

```
{
```

```
    int area_tri;
```

```
    public void print_area()
```

```
{
```

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```
area_tri = (int) (0.5 * a * b);  
System.out.println("The area of triangle is :"  
+ area_tri);  
}  
}
```

```
class circle extends Shape
```

```
{
```

```
int area_circle;
```

```
public void print_area()
```

```
{
```

```
area_circle = (int) (3.14 * a * a);
```

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

```
}
```

```
}
```


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```
class abc {  
    public static void main (String[] args)  
    {  
        rectangle rec = new rectangle();  
        rec.print_area();  
        triangle tri = new triangle();  
        tri.print_area();  
        circle cir = new circle();  
        cir.print_area();  
    }  
}
```