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Roll No – 19

interface Area

```
{  
    final static float pi = 3.14F;  
    float compute(float x, float y);  
}
```

class Rectangle implements Area

```
{  
    public float compute(float x, float y)  
    {  
        return (x*y);  
    }  
}
```

class Circle implements Area

```
{  
    public float compute(float x, float y)  
    {  
        return (pi*x*x);  
    }  
}
```

public class InterfaceTest

```
{  
    public static void main(String[] args)  
    {  
        Rectangle rect = new Rectangle();  
        Circle cir = new Circle();  
        Area area;
```

```
    area = rect;  
    System.out.println("Area of rectangle = "+area.compute(10,20));  
    area = cir;  
    System.out.println("Area of rectangle = "+area.compute(10,0));  
}  
}
```

Output –

Area of rectangle = 200.0

Area of rectangle = 314.0