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\*\*\* A Program that display the area and perimeter of a rectangle with a width of 4.5 and a height of 7.9 using the following formula:  $\text{area} = \text{width} \times \text{height}$ .

The Program:  
~~~~~

```
public class RectangleArea {
```

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

```
        if (args.length != 2) {
```

```
            System.out.println("Please enter width and height as command line argument.");
```

```
            return;
```

```
        }
```

```
        double width = Double.parseDouble(args[0]);
```

```
        double height = Double.parseDouble(args[1]);
```

```
        double area = width * height;
```

```
        System.out.println("Width: " + width);
```

```
        System.out.println("Height: " + height);
```

```
        System.out.println("Area: " + area);
```

```
    }
```

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### Assignment 3

\* A Program that display the following pattern:

```

      J           A           ✓           ✓           A
      J           A A        ✓           ✓           A A
      J           A A A A    ✓           ✓           A A A A
      J           A           ✓           ✓           A           A
      J J

```

The Program:

```
public class PatternDisplay {
```

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

```
        System.out.println(x: " J   A   ✓   ✓   A");
```

```
        System.out.println(x: " J  A A   ✓   ✓   A A");
```

```
        System.out.println(x: " J J  A A A A   ✓   ✓   A A A A");
```

```
        System.out.println(x: " J J  A       A   ✓   A   A");
```

```
    }
}
```