

## Task - Inversion of Control with XML Configuration

1. Define a new implementation for the Shape interface.
2. Add getArea() method to the interface
3. Add new Shapes from Shape like Circle and Rectangle.
4. Implement the getArea() method for the two shapes.
5. Reference your new implementation in the Spring config file (**applicationContext.xml**).
6. Retrieve a bean for Circle class and calculate the area of Circle
7. Retrieve a bean for Rectangle class and calculate the area of Rectangle

### Input:

3

### Output:

the area of the circle = 18.84955592153876

the area of the Square = 9.0