Assignment:

Create A Maven Project and add the following

1.Create Shape Interface -**Completed**

2.Create two objects Triangle/Circle implementing the above interface -**Completed**

3.Create Point class with point x and point y -**Completed**

4.Triangle should have 3 point variables - PointA, PointB,PointC and 1 type variable(String) -**Completed**

5.Circle should have 1 point variable- Center and 1 type variable(String) -**Completed**

6.Create Beans for all the above classes -**Completed**

7.Assign Values to Triangle using SetterType -**Completed**

8.Assign Values to Circle using Constructor Type -**Completed**

9.Make center variable as required in Circle -**Not Completed (there was some issue unable to resolve this)**

10.Make a map variable in triangle called PointMap and inject it using innerbean/bean in spring with meaningful values -**Completed**

11.Make area functions in Circle and Triangle and add a Around aspect for this function using point cut -**Completed**

12.In around aspect , also print the JoinPoint. -**Completed**

13.Write a main class , to show all these features.

Result:A(0,1) B(0,0),C(1,0)

```
INFO: Loading XML bean definitions from class path resource [spring.xml]
inside Triangle
Point A: (0, 1)
Point B: (0, 0)
Point C: (1, 0)

inside Circle
Center: (1, 1)

PointMap: [A, B, C]
A - (0, 1)
B - (0, 0)
C - (1, 0)

For triangle
Area Calculated.

For circle
Area Calculated.
```