

## Assignment – Spring Core

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### Assignment 1

Create a Spring Core application - “ShapeApplication” using maven.

Follow the below instructions:

- Create a bean class “**Point**” which represents co-ordinates of a point – x and y  
Hence it will have two instance variables – x and y of integer type
- Create a bean class “**Line**” which should have two instance variables  
point1 and point2 – Point type
- Create a bean class “**Triangle**” which should have three instance variables  
point1, point2 and point3 – Point type
- Create a bean configuration file “**beans.xml**” which contains configuration metadata  
of above-mentioned beans.
- Create a class **ShapeApplication.java** to get instance of Line and Triangle beans from  
IoC container and display all the co-ordinates of Line instance and Triangle  
instance.
- Notes:-
  - Use autowire feature for Line bean configuration.
  - Make point3 of Triangle bean inner bean.