

## AU SpringCore,AOP Assignment

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1) Create project with Rectangle as a base class. Create Point class and add 4 Point class objects in Rectangle. Add height and width also as properties in Rectangle class. Add spring configuration using JAVA BASED approach(Using java configuration class). Bonus-Use individual objects and also try collections(List,set,map) of Objects for ex. @Bean public List<String> strList(){ return Arrays.asList("pink", "red", "yellow"); }

2) Create aspect using After, AfterReturning, AfterThrowing, Around advices in AOP. Use pointcut types within, args also along with execution.

Result:

```
Inside After process rectangle
Inside After process setOrigin
Before process starts setHeight
Inside After process setHeight
After process ends setHeight
Before process starts setWidth
Inside After process setWidth
After process ends setWidth
Inside AfterReturning process getHeight
Returns : 6
Inside After process getHeight
Rectangle height set to - 6
Before process starts setWidth
Inside AfterThrowing process setWidth
Throws exception : java.lang.Exception: Invalid! width
Inside After process setWidth
```