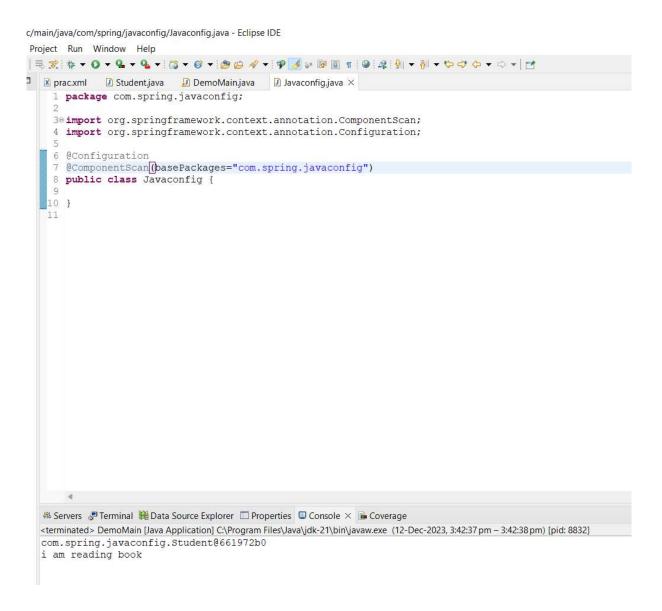
• Remove XML or Without XML Configuration : -

- 1) @Configuration
- 2) @ComponentScan
- 3) @Bean

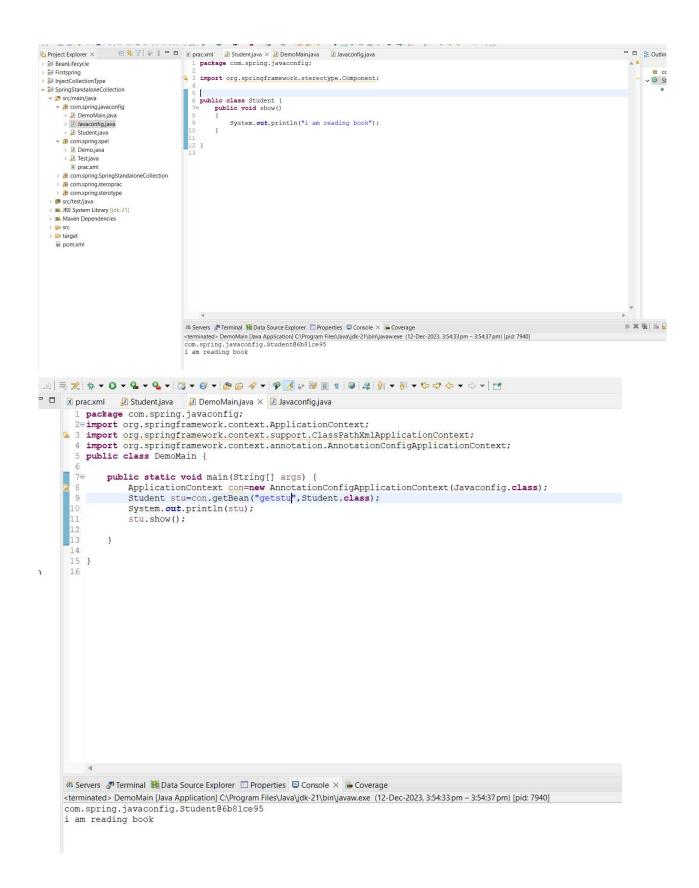
Previously when we was creating application we was using XML file that was provide data and object to IOC container but now in this example we are not using XML anymore we can do it with above notations.

```
n/src/main/java/com/spring/javaconfig/Student.java - Eclipse IDE
ch Project Run Window Help
T | ㅜ ♡ ㅜ 🗘 ♡ 다 ♡ ㅜ 🖟 ㅜ 🖟 다 🖟 및 🔞 🛊 🗷 🔞 대 📵 🗐 다 🔖 😋 🕙 ㅜ 🍪 ㅜ 🍪 ㅜ 😭 ㅜ 😭 ㅜ 😭 ㅜ 💮 ㅜ 🖟 🖹 🛒
🗆 🗖 🗷 prac.xml 🔃 Student.java 🗴 DemoMain.java 🔃 Javaconfig.java
       package com.spring.javaconfig;
        import org.springframework.stereotype.Component;
      5 @Component("ob1")
          public void show()
                System.out.println("i am reading book");
     11
12 }
13
     🚜 Servers 🎤 Terminal 🛍 Data Source Explorer 🔲 Properties 🖳 Console 🗵 🖹 Coverage
    <terminated > DemoMain~[Java~Application]~C:\\ Program~Files\\ Java\\ jdk-21\\ bin\\ javaw.exe~(12-Dec-2023, 3:42:37~pm-3:42:38~pm)~[pid: 8832]
     com.spring.javaconfig.Student@661972b0
    i am reading book
/main/java/com/spring/javaconfig/DemoMain.java - Eclipse IDE
Project Run Window Help
🗷 prac.xml 🔃 Student.java 🔑 DemoMain.java 🗴 🗓 Javaconfig.java
    1 package com.spring.javaconfig;
    20 import org.springframework.context.ApplicationContext;
   3 import org.springframework.context.support.ClassPathXmlApplicationContext;
    4 import org.springframework.context.annotation.AnnotationConfigApplicationContext;
    5 public class DemoMain {
          public static void main(String[] args) {
               ApplicationContext con=new AnnotationConfigApplicationContext(Javaconfig.class);
               Student stu=con.getBean("ob1", Student.class);
  10
               System.out.println(stu);
               stu.show();
```



@Bean: it is written above method that is returning object to indicate that object is given to IOC container. with the help of bean notation object will go to the IOC container.

Now u dont need to specify @component annotation



```
| Spraxml | Studentjava | DemoMainjava | Davaconfigjava x | DemoMainjava | DemoMa
```

Even you can run it without @ComponentScan Annotation

```
### Servers ### Terminal ## Data Source Explorer | Properties | Console x | Coverage terminated-Demokain Java Application| C./Program Files/Java/jdc/21\bin/javaw.exe (12-Dec-2023, 35901pm - 35902pm) [pid: 15476] in m reading book in meading book in meadi
```

INjecting dependencies : -

```
nain/java/com/spring/javaconfig/Student.java - Eclipse IDE
- -
3 import org.springframework.stereotype.Component;
  6 public class Student {
7    private Samosa samo;
109
11
12
13
14
159
16
17
18
19
20
219
22
23
24
25
26
279
28
29
30
31
32
33
33
34
      public Samosa getSamo() {
    return samo;
      public void setSamo(Samosa samo) {
   this.samo = samo;
}
      public Student(Samosa samo) {
      super();
this.samo = samo;
}
      public void show()
        this.samo.display();
System.out.println("i am reading book");
n/src/main/java/com/spring/javaconfig/Samosa.java - Eclipse IDE
:h Project Run Window Help
☐ ☑ pracxml ☑ Studentjava ☑ DemoMainjava ☑ Javaconfigjava ☑ Samosajava × ☐ package com.spring.javaconfig;
       3 public class Samosa {
            public void display()
                System.out.println("i am eating Samosa....");
     9 }
```

```
Project Run Window Help
🗖 🗷 prac.xml 🔑 Student.java 🚇 DemoMain.java 🗴 🔃 Javaconfig.java 🕒 Samosa.java
   1 package com.spring.javaconfig;
2=import org.springframework.context.ApplicationContext;
3 import org.springframework.context.support.ClassFathXmlApplicationContext;
4 import org.springframework.context.annotation.AnnotationConfigApplicationContext;
5 public class DemoMain {
              public static void main(String[] args) {
   ApplicationContext con=new AnnotationConfigApplicationContext(Javaconfig.class);
   Student stu=con.getBean("getstu", Student.class);
   System.out.println(stu);
                    stu.show();
     12
13
14
15 }
     <terminated> DemoMain [Java Application] C\Program Files\Java\jdk-21\bin\javaw.exe (12-Dec-2023, 4:07:06 pm - 4:07:07 pm) [pid: 17092]
com.spring.javaconfig.Student@393671df
i am eating Samosa....
i am reading book
:tion/src/main/java/com/spring/javaconfig/Javaconfig.java - Eclipse IDE
earch Project Run Window Help
 🗎 🗖 🗵 pracxml 🔑 Student.java 🔑 DemoMain.java 🔑 Javaconfig.java 🗴 🖸 Samosa.java
              package com.spring.javaconfig;
            3@ import org.springframework.context.annotation.Bean;
        4 import org.springframework.context.annotation.ComponentScan;
5 import org.springframework.context.annotation.Configuration;
              @Configuration
          10 public class Javaconfig {
                   public Samosa getsamo()
                         return new Samosa();
                   public Student getstu()
tion
                         Student stu=new Student(getsamo());
                         return stu;
```

As we have saw that we are specifying methodname of Bean in getbeans method to inject dependency but we can specify name by ourself also just we have to add parameter in @Bean annotation

@Bean(name={"om","shubh","anu"}