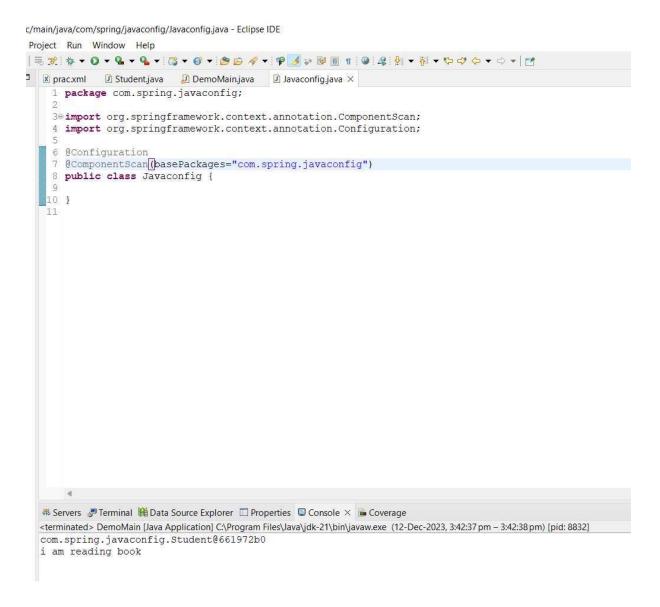
• Remove XML or Without XML Configuration : -

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

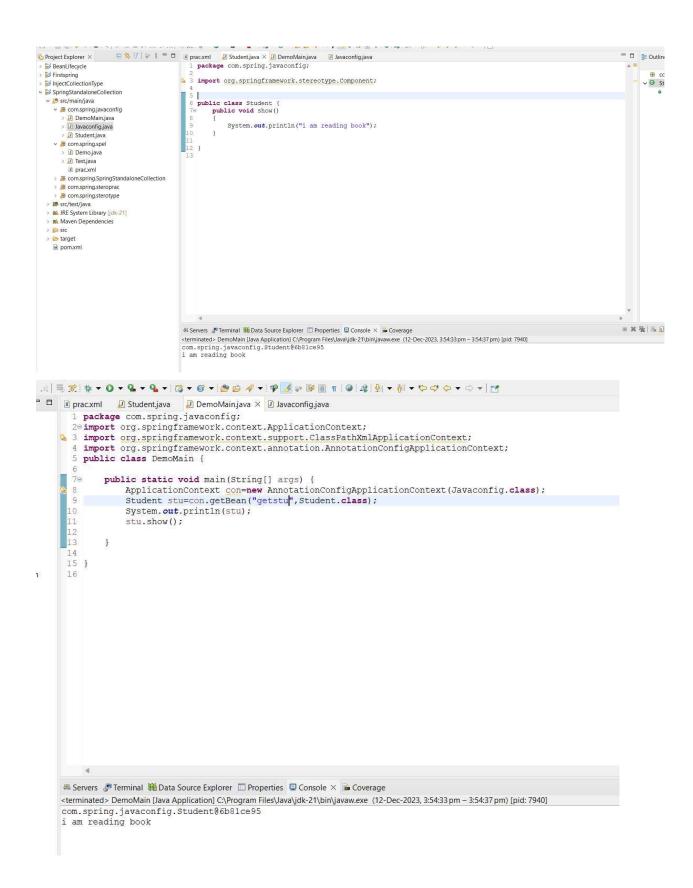
Previously when we was creating application we was using XML file that was provide data and object to IOC container but now in this example we are not using XML anymore we can do it with above notations.

```
n/src/main/java/com/spring/javaconfig/Student.java - Eclipse IDE
ch Project Run Window Help
🗖 🗖 🗷 prac.xml 🔃 Student.java 🗴 🚨 DemoMain.java 🔝 Javaconfig.java
       package com.spring.javaconfig;
       import org.springframework.stereotype.Component;
      5 @Component("ob1")
      6 public class Student
          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;
    29 import org.springframework.context.ApplicationContext;
    \texttt{3} \ \textbf{import} \ \text{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



Even you can run it without @ComponentScan Annotation

INjecting dependencies : -

```
nain/java/com/spring/javaconfig/Student.java - Eclipse IDE
 - -
  2 import org.springframework.stereotype.Component;
    6 public class Student {
7    private Samosa samo;
9 9 100 111 12 13 14 150 16 17 18 19 20 22 23 24 25 26 270 30 31 32 33 } 34
          public Samosa getSamo() {
    return samo;
}
          public void setSamo(Samosa samo) {
   this.samo = samo;
}
          public Student(Samosa samo) {
          sudent(Samosa
super();
this.samo = samo;
}
          public void show()
              this.samo.display();
System.out.println("i am reading book");
 # Servers 

■ Terminal 

□ Data Source Explorer □ Properties □ Console × □ Coverage

<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
 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....");
```

```
Project Run Window Help
 🗖 🗷 pracxml 🔑 Studentjava 🔑 DemoMainjava 🗴 🔑 Javaconfig.java 🕑 Samosa.java
         1 package com.spring.javaconfig;
20 import org.springframework.context.ApplicationContext;
        2 import org.springframework.context.appircationcontext;
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("getstu", Student.class);
    System.out.println(stu);
    stu.show();
         № 8
            14
15 }
16
           <terminated > DemoMain \ [Java Application] \ C: \ Program \ Files \ Java \ jdk-21 \ bin \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-2023, 4:07:06 \ pm-4:07:07 \ pm) \ [pid: 17092] \ aww. exe \ (12-Dec-20
         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
   🖟 🗖 🗓 prac.xml 🔑 Student.java 🔑 DemoMain.java 🔑 Javaconfig.java 🗴 🖟 Samosa.java
                          1 package com.spring.javaconfig;
                          30 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"}