

# Session-33

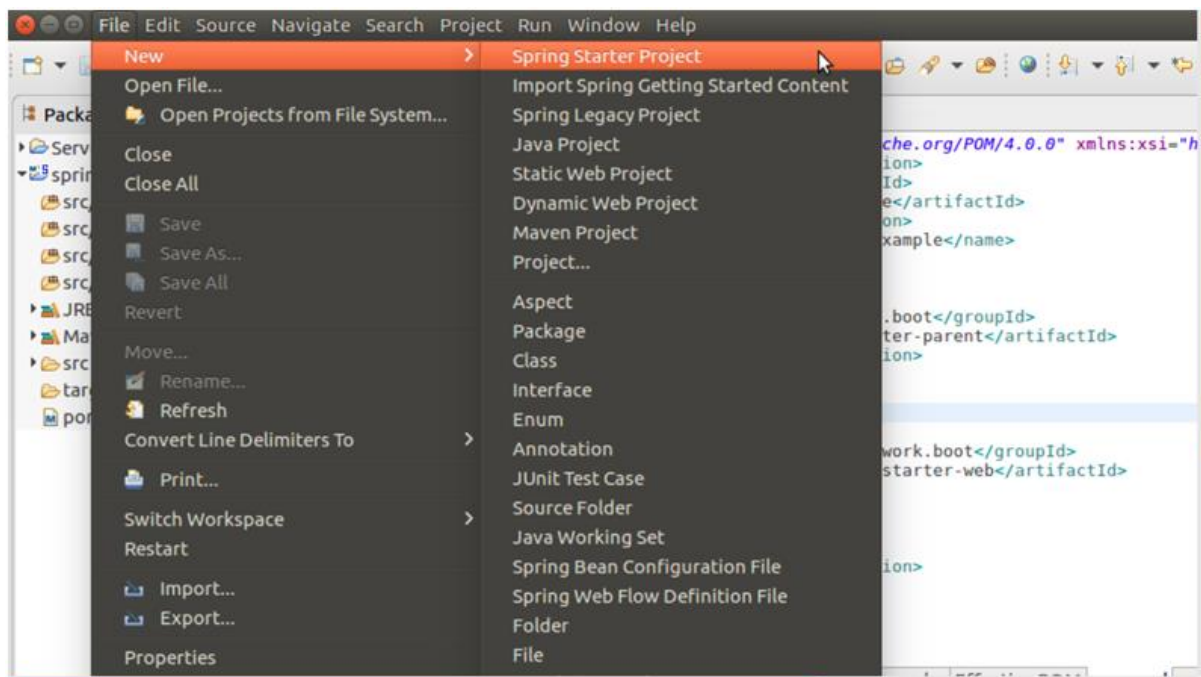
## Spring Starter Project

### Spring Starter Project Wizard

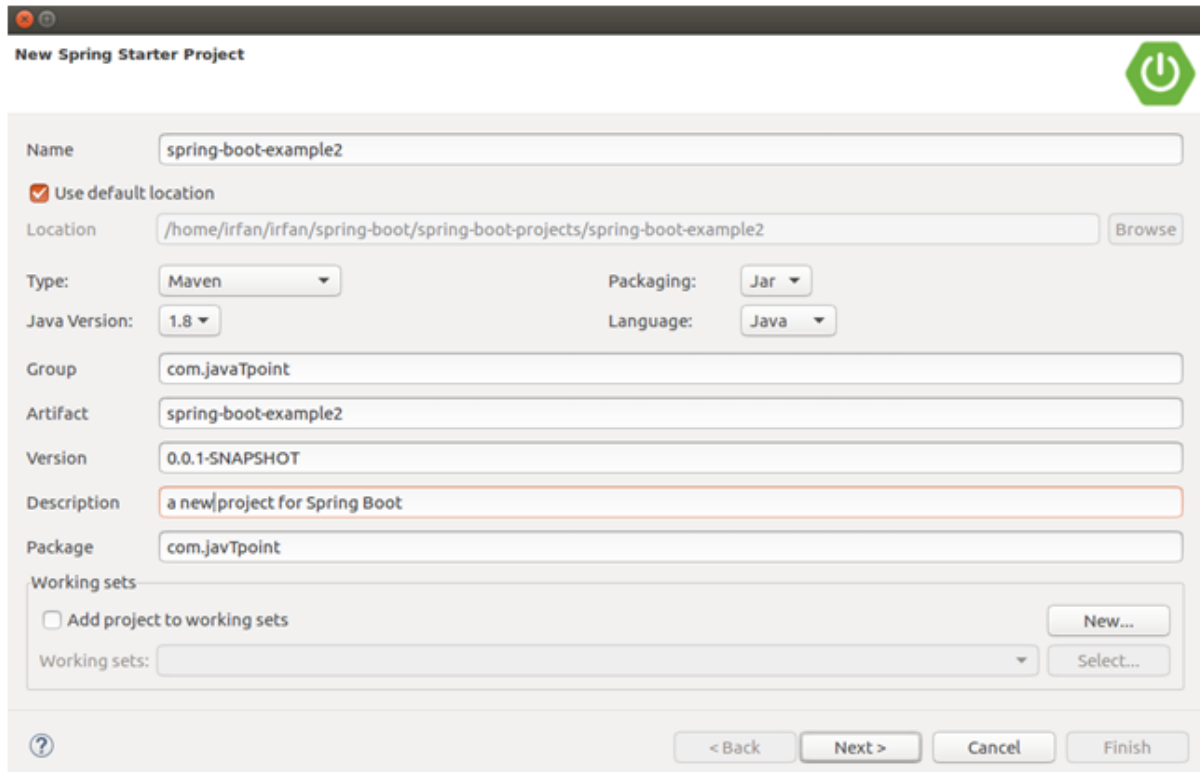
There is one more way to create Spring Boot project in STS (Spring Tool Suite). Creating project by using IDE is always a convenient way.

Follow the following steps in order to create a Spring Boot Application by using this wizard.

#### Step 1) Select Starter Project



## Step 2) Provide project details.



**New Spring Starter Project**

Name:

☒ Use default location

Location:

Type:  Packaging:

Java Version:  Language:

Group:

Artifact:

Version:

Description:

Package:


Working sets:

☐ Add project to working sets

Working sets:

## Step 3) Select dependency as web to create web project.


After finishing, the default pom.xml file for the project is created as below:

New Spring Starter Project 


Spring Boot Version:

Dependencies:

- ▾ Frequently Used
  - ☒ Web



- ▾ Core
  - ☐ Validation
- ▾ Web
  - ☒ Web
  - ☐ Jersey (JAX-RS)
  - ☐ Reactive Web
  - ☐ Vaadin
  - ☐ Websocket
  - ☐ Rest Repositories
  - ☐ Web Services
  - ☐ Mobile



## // pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="https://maven.apache.org/POM/4.0.0"
  xmlns:xsi="https://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="https://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.javatpoint</groupId>
  <artifactId>new-spring-boot-example2</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>jar</packaging>
  <name>spring-boot-example2</name>
  <description>a new project for Spring Boot</description>
  <parent>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>2.0.0.BUILD-SNAPSHOT</version>
    <relativePath/><!-- lookup parent from repository -->
  
```

```
</parent>
<properties>
  <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
  <project.reporting.outputEncoding>UTF-
</project.reporting.outputEncoding>
  <java.version>1.8</java.version>
</properties>
<dependencies>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
  </dependency>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-test</artifactId>
    <scope>test</scope>
  </dependency>
</dependencies>
<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
      <artifactId>spring-boot-maven-plugin</artifactId>
    </plugin>
  </plugins>
</build>
<repositories>
  <repository>
    <id>spring-snapshots</id>
    <name>Spring Snapshots</name>
    <url>https://repo.spring.io/snapshot</url>
    <snapshots>
      <enabled>true</enabled>
    </snapshots>
  </repository>
  <repository>
    <id>spring-milestones</id>
```

```

    <name>Spring Milestones</name>
    <url>https://repo.spring.io/milestone</url>
    <snapshots>
        <enabled>>false</enabled>
    </snapshots>
</repository>
</repositories>
<pluginRepositories>
    <pluginRepository>
        <id>spring-snapshots</id>
        <name>Spring Snapshots</name>
        <url>https://repo.spring.io/snapshot</url>
        <snapshots>
            <enabled>>true</enabled>
        </snapshots>
    </pluginRepository>
    <pluginRepository>
        <id>spring-milestones</id>
        <name>Spring Milestones</name>
        <url>https://repo.spring.io/milestone</url>
        <snapshots>
            <enabled>>false</enabled>
        </snapshots>
    </pluginRepository>
</pluginRepositories>
</project>

```

This project auto generates a Java file as given below inside the **src/main/java**.

```
package com.javtpoint;
```

```
import org.springframework.boot.SpringApplication;
```

```
import org.springframework.boot.autoconfigure.SpringBootApplication;
```

@SpringBootApplication

```
public class SpringBootExample2Application {
```

```
    public static void main(String[] args) {
```

```
        SpringApplication.run(SpringBootExample2Application.class, args);
```

```
    }
```

```
}
```

## OUTPUT

Now we can run this as a Java Application and it will produce the following output.



```
:: Spring Boot :: (v2.0.0.BUILD-SNAPSHOT)

2017-03-26 15:56:37.724 INFO 11635 --- [main] c.j.SpringBootExample2Application : Starting SpringBootExample2Application on irfan-GB-BXBT-280
2017-03-26 15:56:37.750 INFO 11635 --- [main] c.j.SpringBootExample2Application : No active profile set, falling back to default profiles: default
2017-03-26 15:56:38.434 INFO 11635 --- [main] ConfigServletWebServerApplicationContext : Refreshing org.springframework.boot.web.servlet.context.AnnotationConfigServletWebServerApplicationContext
2017-03-26 15:56:49.642 INFO 11635 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2017-03-26 15:56:49.790 INFO 11635 --- [main] o.apache.catalina.core.StandardService : Starting service Tomcat
2017-03-26 15:56:49.793 INFO 11635 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet Engine: Apache Tomcat/8.5.12
2017-03-26 15:56:50.800 INFO 11635 --- [ost-startStop-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2017-03-26 15:56:50.802 INFO 11635 --- [ost-startStop-1] o.s.web.context.ContextLoader : Root WebApplicationContext: initialization completed in 12s
2017-03-26 15:56:52.048 INFO 11635 --- [ost-startStop-1] o.s.b.w.servlet.ServletRegistrationBean : Mapping servlet: 'dispatcherServlet' to [/]
2017-03-26 15:56:52.074 INFO 11635 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean : Mapping filter: 'characterEncodingFilter' to: [/]
2017-03-26 15:56:52.079 INFO 11635 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean : Mapping filter: 'hiddenHttpMethodFilter' to: [/]
2017-03-26 15:56:52.080 INFO 11635 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean : Mapping filter: 'httpPutFormContentFilter' to: [/]
2017-03-26 15:56:52.089 INFO 11635 --- [ost-startStop-1] o.s.b.w.servlet.FilterRegistrationBean : Mapping filter: 'requestContextFilter' to: [/]
2017-03-26 15:56:54.062 INFO 11635 --- [main] s.w.s.m.m.a.RequestMappingHandlerAdapter : Looking for @ControllerAdvice: org.springframework.boot.web.servlet.support.SpringBootServletInitializer
2017-03-26 15:56:54.671 INFO 11635 --- [main] s.w.s.m.m.a.RequestMappingHandlerMapping : Mapped "([/error],produces=[text/html])" onto public org.springframework.web.servlet.mvc.annotation.AnnotationMethodMapping
2017-03-26 15:56:54.688 INFO 11635 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped "([/error])" onto public org.springframework.http.ResponseEntity
2017-03-26 15:56:54.900 INFO 11635 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped URL path [/webjars/**] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]
2017-03-26 15:56:54.901 INFO 11635 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped URL path [/**] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]
2017-03-26 15:56:55.231 INFO 11635 --- [main] o.s.w.s.handler.SimpleUrlHandlerMapping : Mapped URL path [/**/favicon.ico] onto handler of type [class org.springframework.web.servlet.resource.ResourceHttpRequestHandler]
2017-03-26 15:56:56.310 INFO 11635 --- [main] o.s.j.e.a.AnnotationMethodBeanExporter : Registering beans for JMX exposure on startup
2017-03-26 15:56:56.752 INFO 11635 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http)
2017-03-26 15:56:56.776 INFO 11635 --- [main] c.j.SpringBootExample2Application : Started SpringBootExample2Application in 23.788 seconds (JVM
```