EXP.NO: 6

DATE:15-09-2023

Aim: INSTALLING AND CONFIGURING SPRING BOOT IN ECLIPSE

Install and configure servers (open source) Apache tomcat or related spring boot server

Installation and configuration of Sprint Boot in Eclipse using any of the following three methods:

Methods:

1. Using the Eclipse Marketplace
2. Installing the Spring Tools Suite Distribution of Eclipse and
3. Creating a Spring Boot Project.

Java Spring Framework is an open-source framework that is used for creating enterprise-grade, stand-alone applications that run on the Java Virtual Machine. As useful as it is, Java Spring Framework takes a lot of time and knowledge to set up, and deploy. Spring Boot makes this process easier using auto configuration, and an opinionated approach that allows Spring Boot to decide which dependencies and packages are right for your project. Spring Boot helps developersthat run on their own without relying on an external web server. On Eclipse, Spring Boot is referred to as Spring Tools Suite. In this practical you will learn how to install and configure Spring Tools Suite.

Method 1: Using the Eclipse

MarketplaceStep 1:

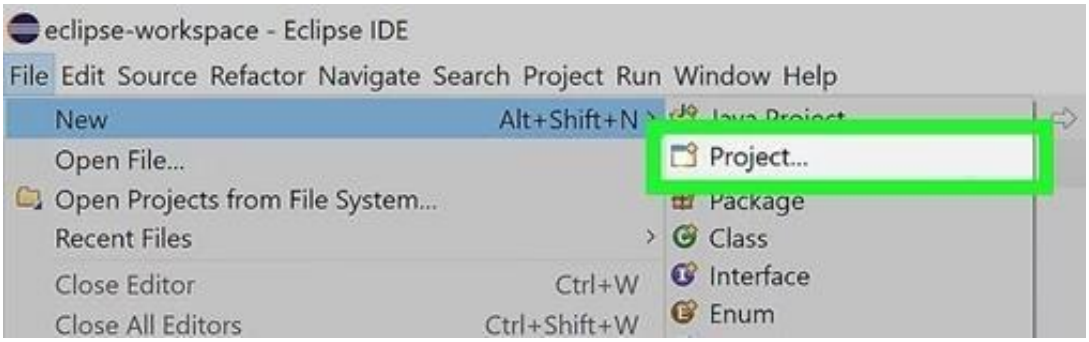
Launch Eclipse. Eclipse has an icon that resembles a blue circle with white horizontal lines and ayellow crescent moon to the left. Click the icon on your desktop, Windows Start menu, Applications folder (Mac), or Apps menu (Linux) to open Eclipse.

The first time you open Eclipse, you will need to select a folder to use as your workspace.Click Launch in the lower-right corner to use the default workspace folder. Click Browse toselect a different location.

Step 2:

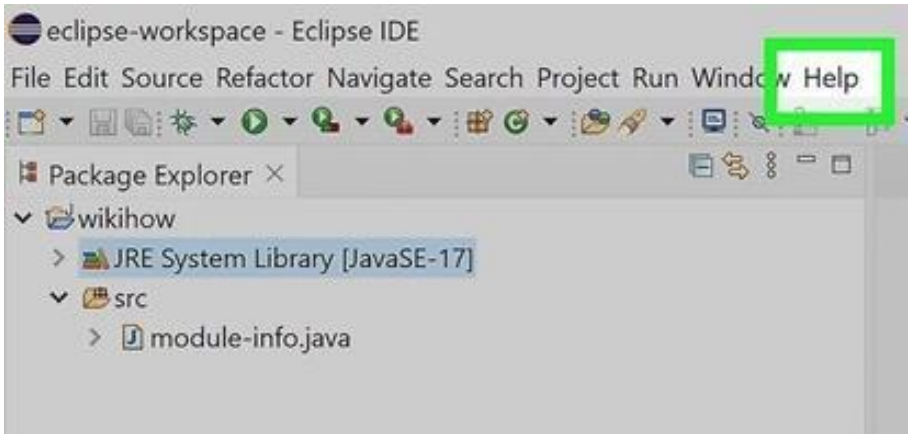
Open or create a new project. By default, Eclipse will open the last project you were working on.To create a new project, click File in the menu bar at the top, and then click New. To open an existing project, click File in the menu bar, and then click Open. Select a file and click Open.

The first time you open Eclipse, a screen will appear giving you a variety of options. Click the option to open a new Java project to start a new project. Alternatively, you can click the option toopen an existing project to begin work on an existing project.



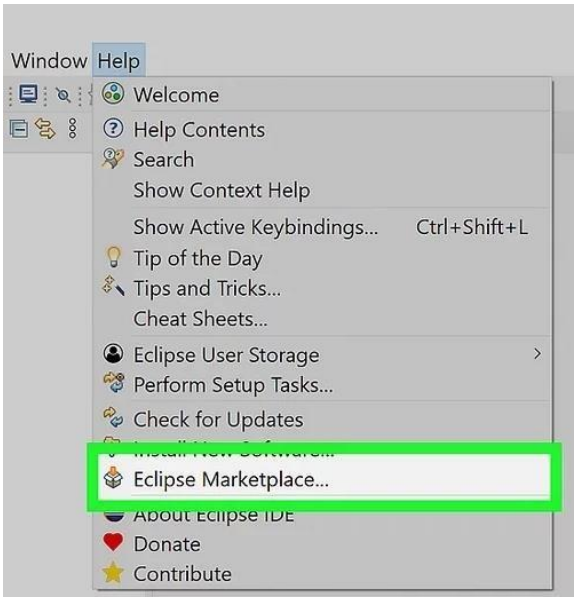
Step 3:

Click Help. It's the last option in the menu bar at the top of the screen. This displays the Helpmenu.



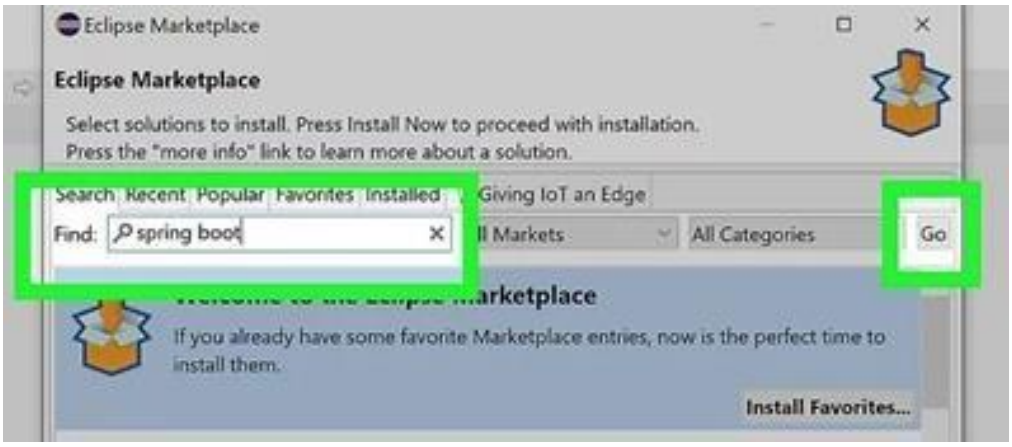
Step 4:

Click Eclipse Marketplace. It's near the bottom of the Help menu. This opens the EclipseMarketplace in a new window.



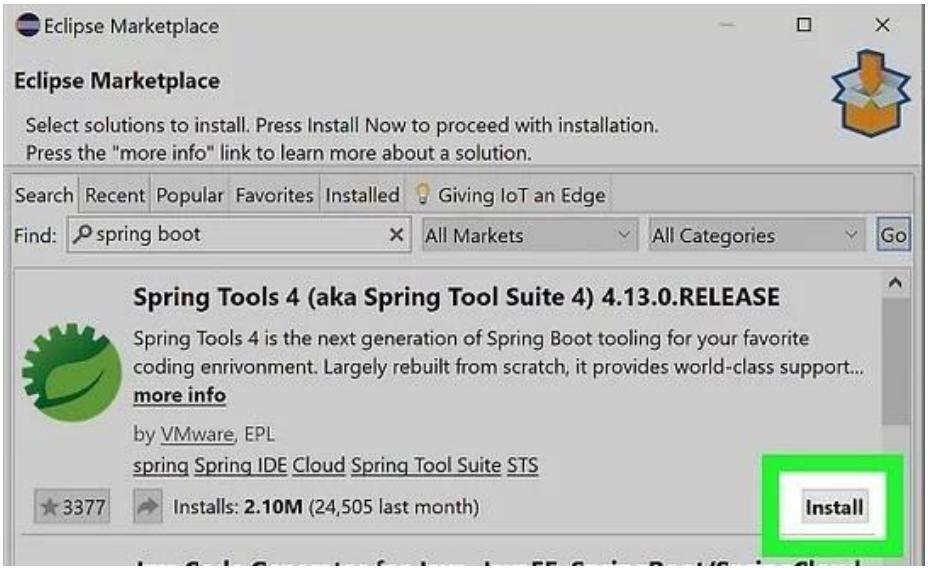
Step 5:

Type Spring Boot in the search box and press ↵ Enter. This displays a list of search results relatedto Spring Boot. On Eclipse, Spring Boot is called Spring Tools Suite.



Step 6:

Click Install below the latest version of Spring Tools. The latest version of Spring Tools should appear at the top of the list. Click the Install button in the lower-right corner of the box. This willdisplay a checklist of all the packages that will be installed.



Step 7:

Click Confirm. It's at the bottom of the Eclipse Marketplace window. This confirms that you want to install all the packages that are checked in the list. This begins the process of installing the selected packages.

If there are any packages you do not want to install, uncheck them before clicking "Confirm."

If you want to install any additional plug-ins, such as the add-on for previous versions of Spring Tools, click Install More at the bottom of the Eclipse Marketplace window. Then click Install below any additional plug-ins you want to install. Click Install Now at the bottom of the Eclipse Marketplace window, when you are ready to install all the selected plug-ins.

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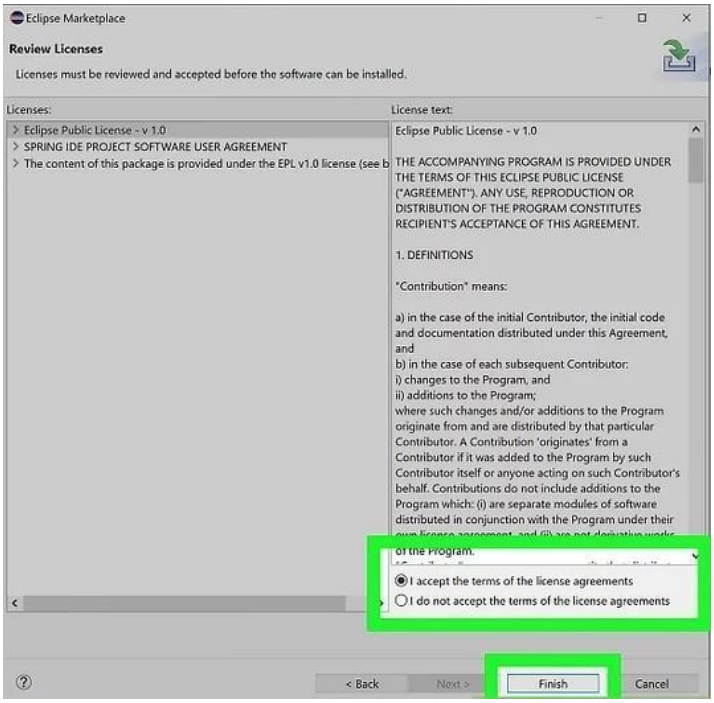
Step 8:

Agree to the Terms and Conditions and click Finish. Click the radio button next to "I accept theterms of the license agreements" and click Finish.



Step 9:

Relaunch Eclipse. After installing Spring Tools in Eclipse, close Eclipse and then launch it again.Spring Tools is now installed and ready to use.