Become a Backend Expert

FSD: Lab Guide - Phase 2

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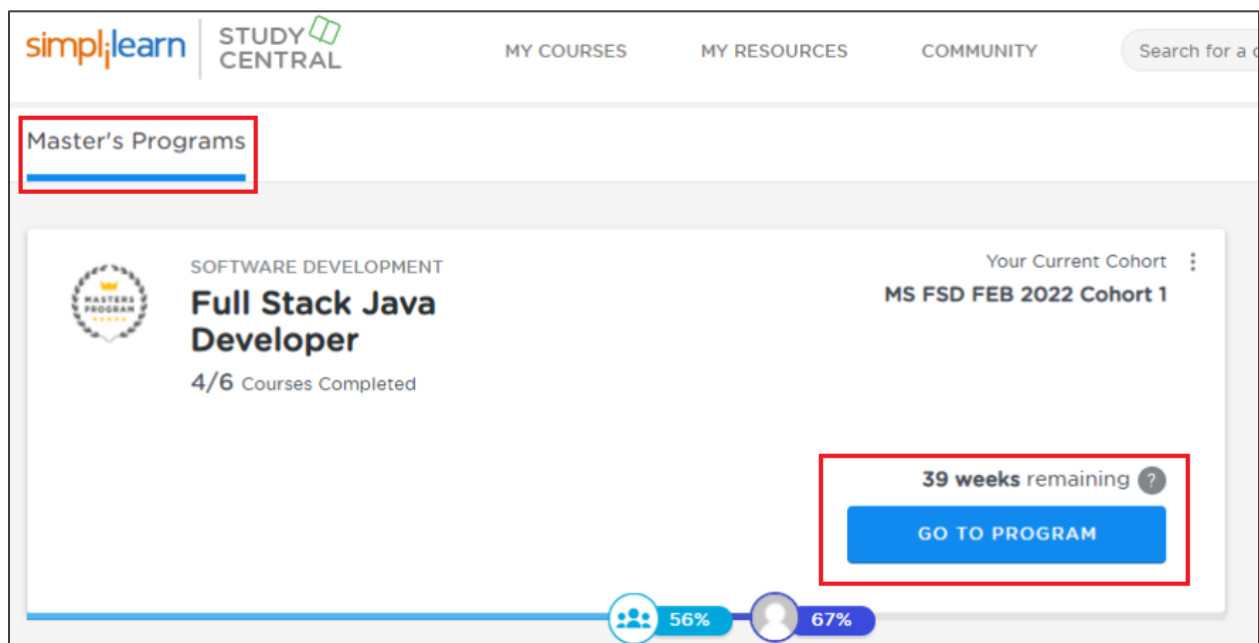
This section will guide you to:

- Use labs to execute all demos included in this course

This lab has two subsections, namely:

1. Starting practice labs on LMS
2. Using different IDEs and software required for Phase 2

Step 1: Starting practice labs on LMS

- Login to Simplilearn LMS
- Select Master Program and then Go to Program

- Click on the respective course (However, since all the courses/phases have same lab, so it can be launched from anyone of them.)
- On the left side, click on **PRACTICE LABS** tab
- As a new window opens, read the instructions and click on **LAUNCH LAB**

- Select RDP Access and Start Instance

- Click on Auth URL button

- You will be able to access IDEs and software which are present in labs
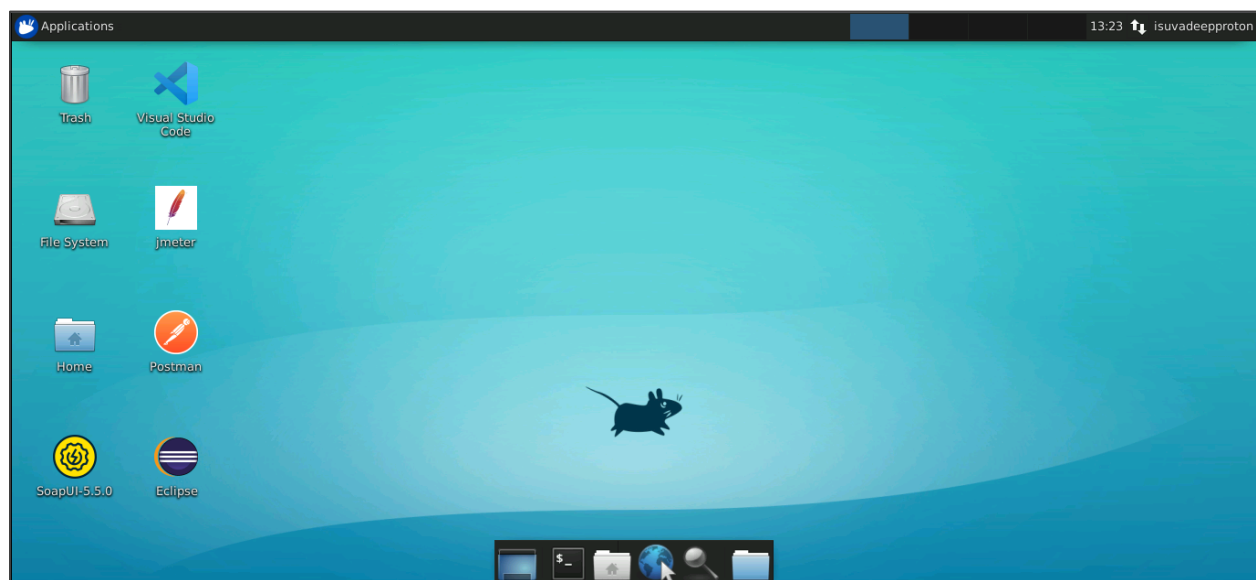
Step 2: Using different IDEs and software required for Phase 2

Apache:

- Apache is already installed in your practice labs

- To verify the installation:
  1. Open the command-line interface
  2. Type the following command:

  sudo apache2 -version

```
nehavaidyasimpl@ip-172-31-81-156:~$ sudo apache2 -version
Server version: Apache/2.4.18 (Ubuntu)
Server built:   2020-08-12T21:35:50
nehavaidyasimpl@ip-172-31-81-156:~$
```

The command mentioned above displays the apache version installed in your practice labs

- In case you find that **apache2** is not installed in your practice labs, you can install it using the following commands:

  sudo apt update
  sudo apt install apache2

MySQL:

- MySQL is already installed in your practice labs
- To verify the installation:
  1. Open the command-line interface
  2. Type the following command:

  mysql -V

```
nehavaidyasimpl@ip-172-31-81-156:~$ mysql -V
mysql  Ver 8.0.21 for Linux on x86_64 (MySQL Community Server - GPL)
nehavaidyasimpl@ip-172-31-81-156:~$
```

The command mentioned above displays the MySQL version installed in your practice labs

- In case you find that MySQL is not installed in your practice labs, you can install it using the following commands:

  sudo apt-get update
 *sudo apt-get install mysql-server*

Tomcat:

- Tomcat 8 is already installed in your practice labs
- For Eclipse integration, you need to download Tomcat from within Eclipse
- To do that, follow these steps:
  1. Open the Eclipse environment from your desktop
  2. Select the directory where you would like to save your programs
  3. Select the **Use this as default and do not ask again** checkbox and click on **launch**
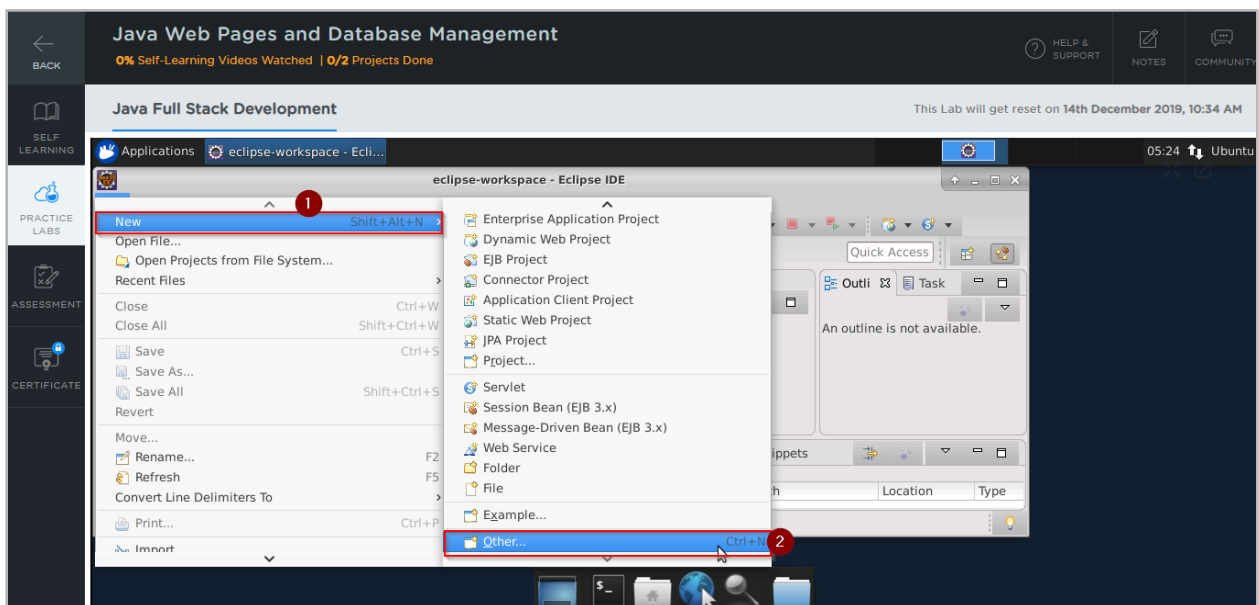
4. Now, on the next page, select **Server > Server** and click on **Next**
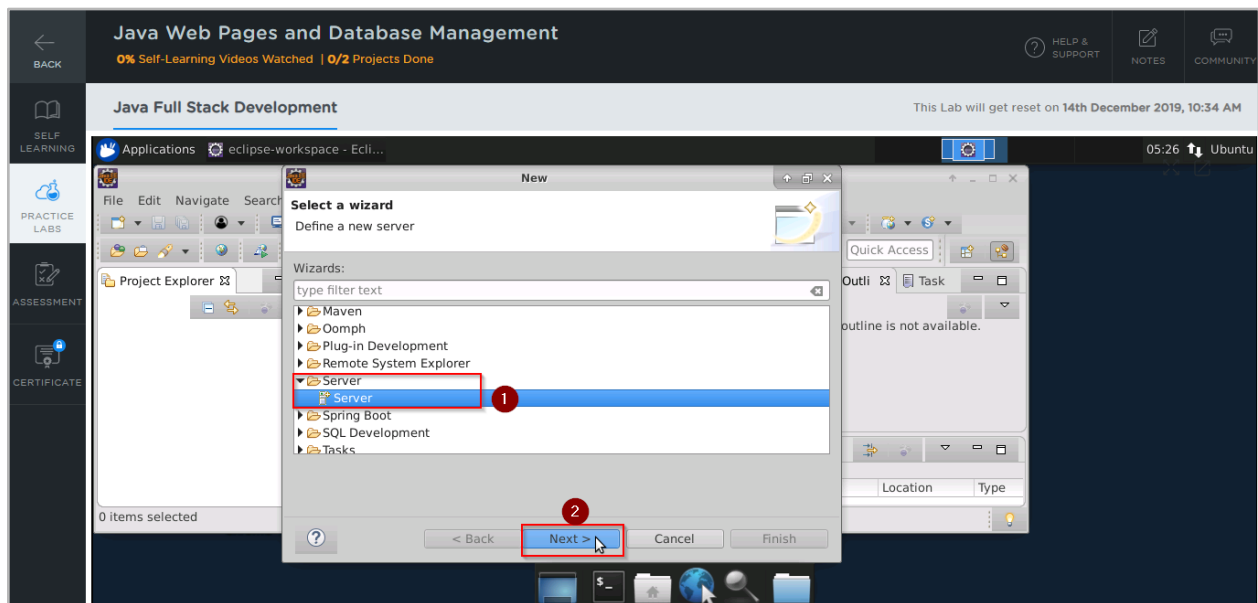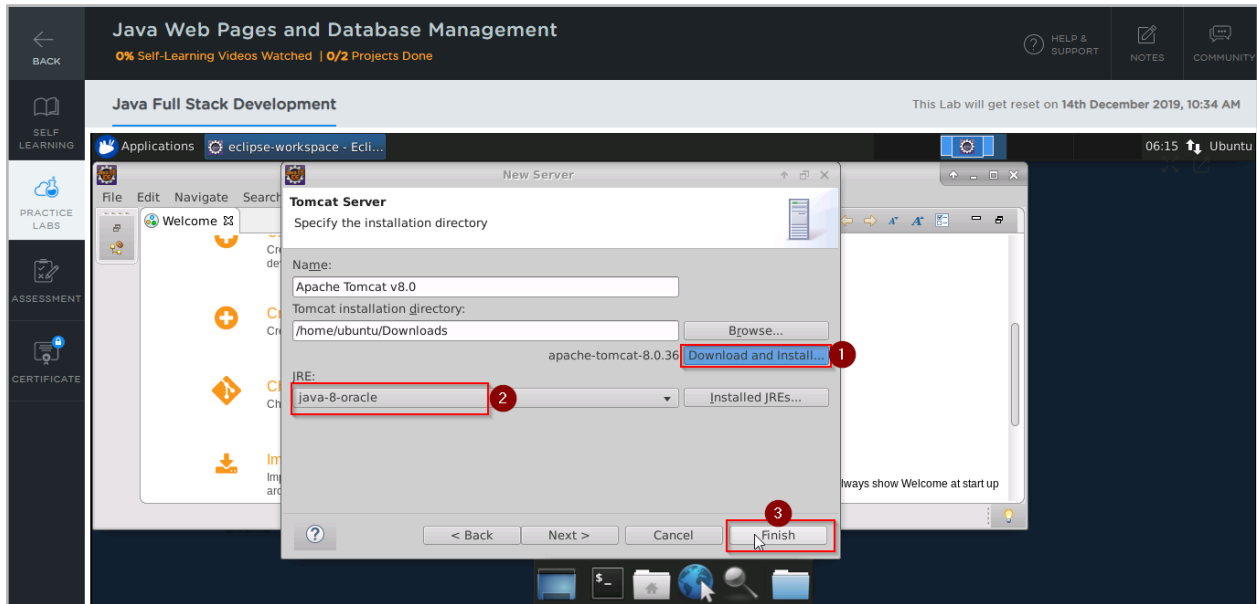

5. Type Tomcat in the **filter text** field, select the Tomcat version that you would like to install, and click on **Next**
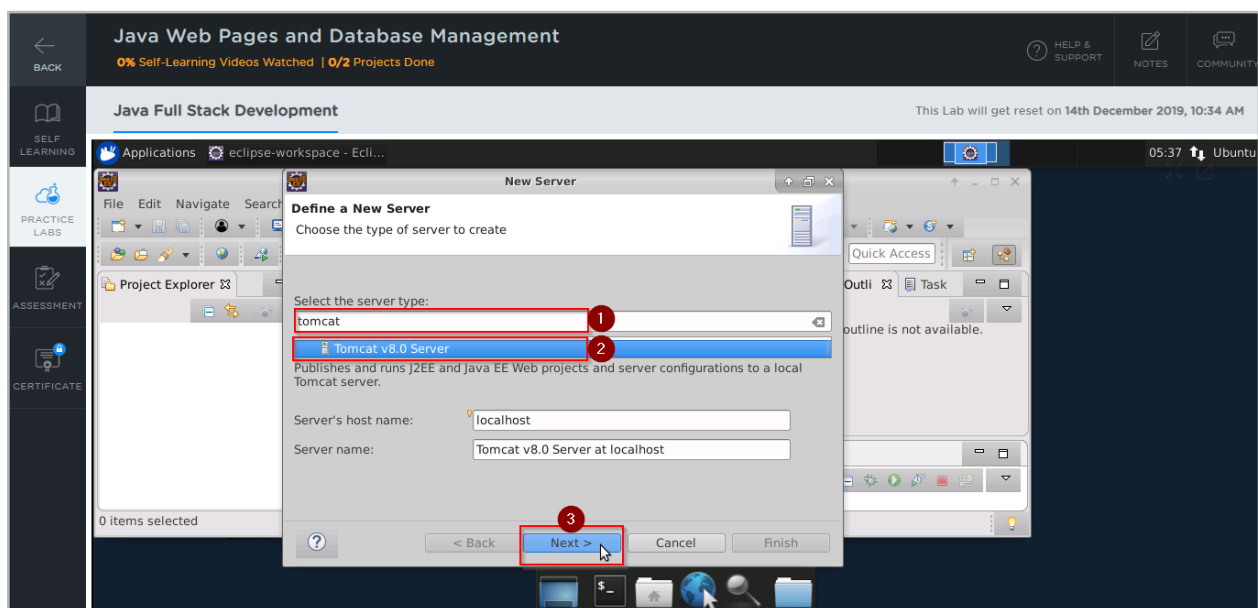
6. Click on **Download and Install** and select the directory where you want to download Tomcat

7. Select the installed JRE and click on **Finish**

Servlet and JSP:

- Servlet and JSP are already installed in your practice labs
- You will find their jar files at *usr/share/java*