Develop a Web Application using frontend stack

FSD: Lab Guide - Phase 4

This section will guide you to:

- Use practice labs to execute all demos included in this course

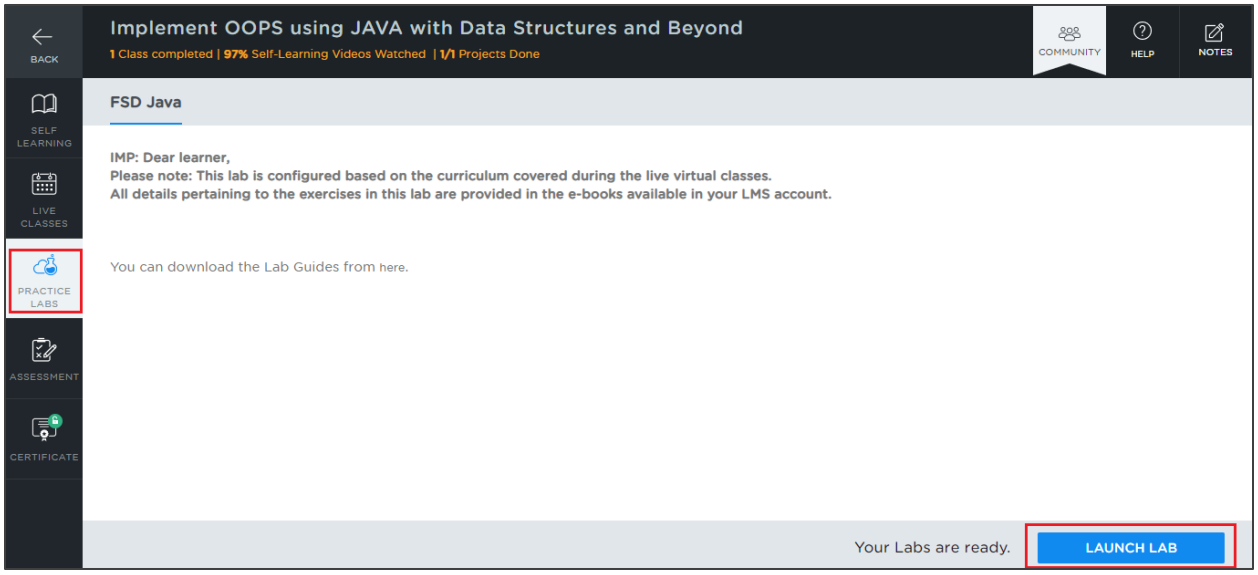
This lab has two subsections, namely:

1. Starting practice labs on LMS
2. Using different IDEs and software required for Phase 4

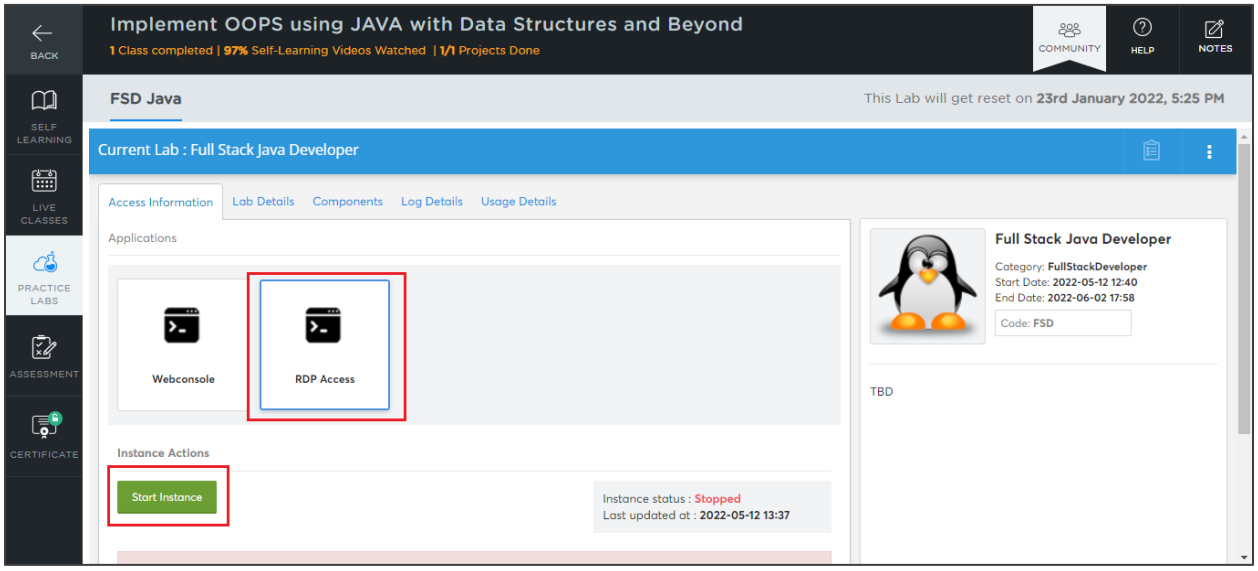
Step 1: Starting practice labs on LMS

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

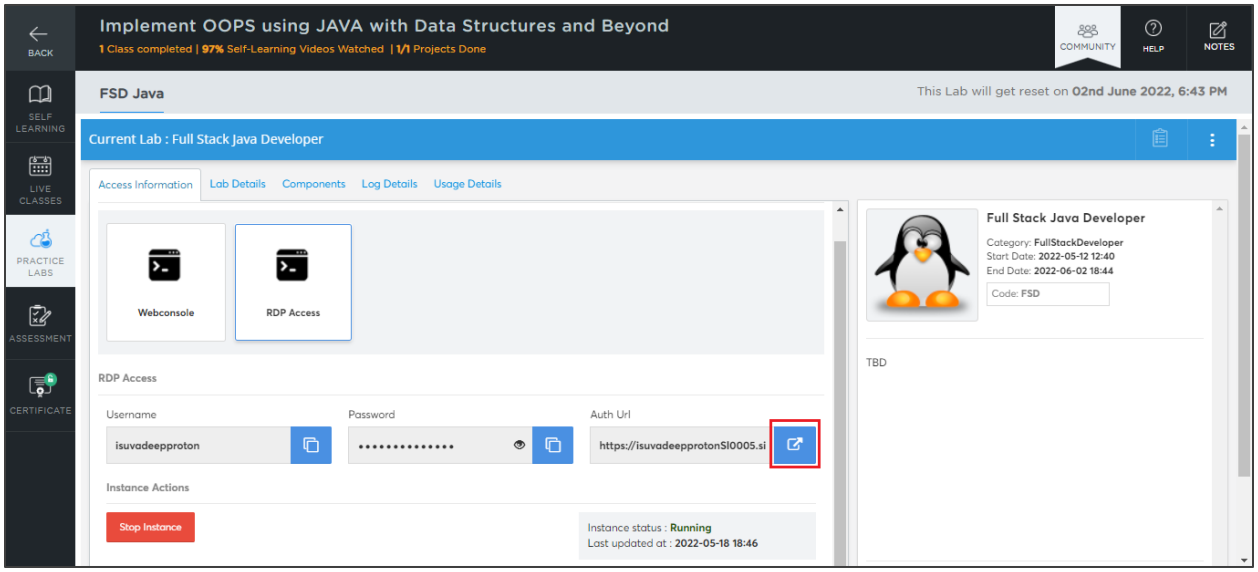
- Click on the respective course (However, since all the courses/phases have same lab, so it can be launched from anyone of them.)
- On the left side, click on **PRACTICE LABS** tab
- As a new window opens, read the instructions and click on **LAUNCH LAB**



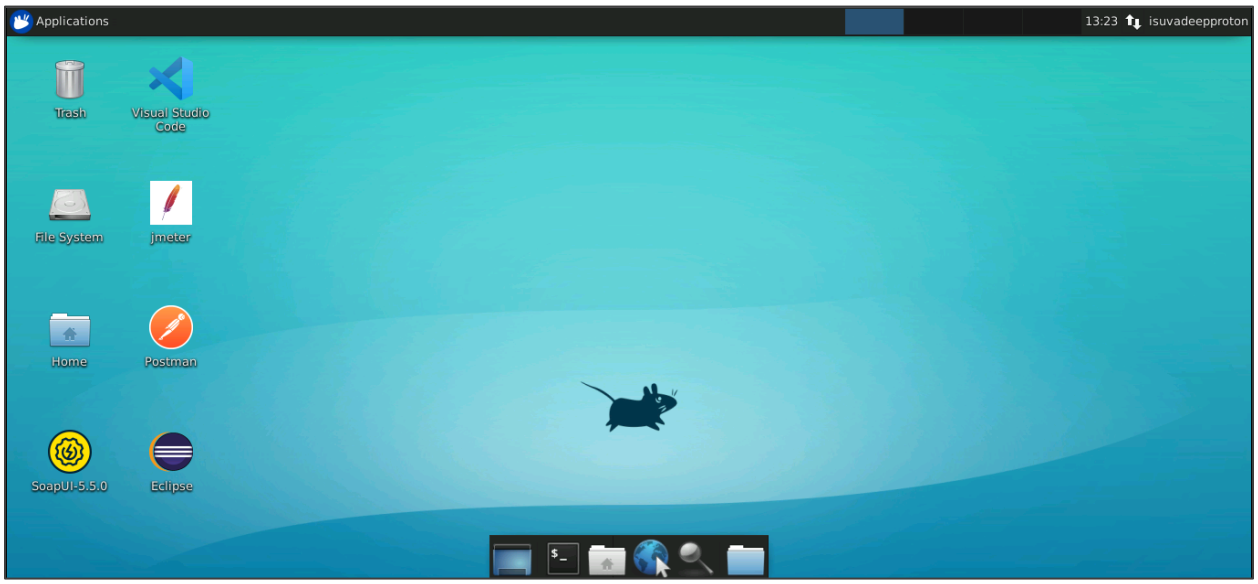
- Select RDP Access and Start Instance



- Click on Auth URL button



- You will be able to access IDEs and software which are present in labs

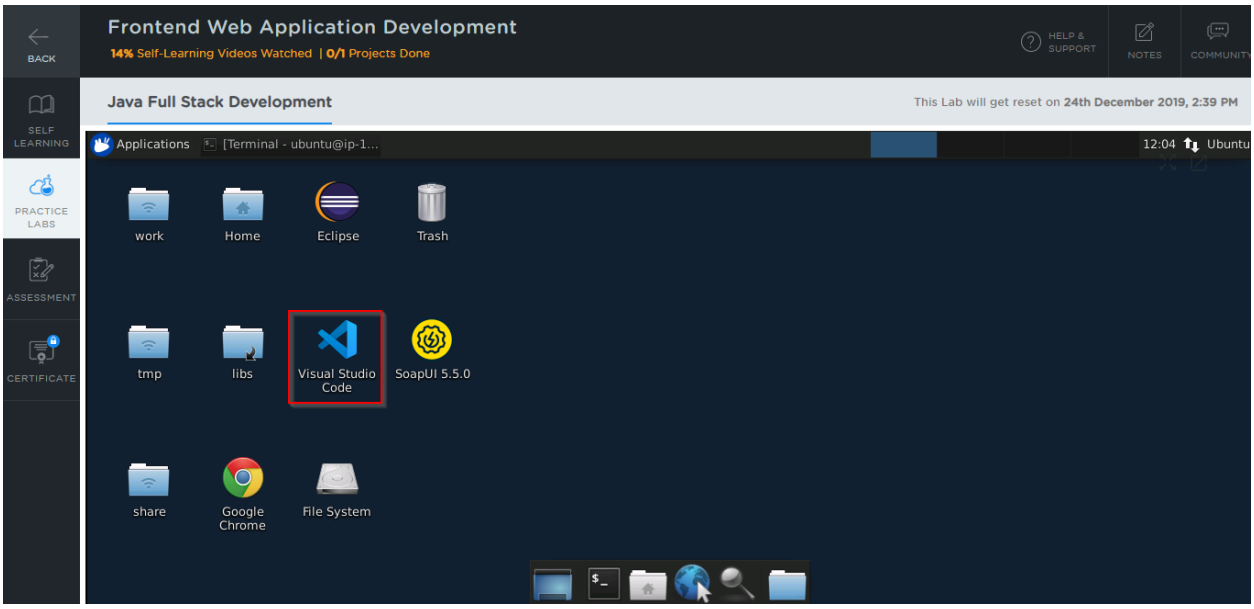


Step 2: Using different IDEs and software required for Phase 4

All the required IDEs and software can be accessed from the labs

Visual Studio Code:

- Visual Studio Code is already installed in your practice labs
- You can launch it by clicking on the **visual studio code** icon on your desktop



Node JS:

- Node JS 12.18.2 version is installed in your practice labs
- To verify the installation:
    - Open the command-line interface
    - Type the command:

    node -v

```
nehavaidyasimpl@ip-172-31-81-156:~$ node -v
v12.18.2
nehavaidyasimpl@ip-172-31-81-156:~$
```

The command mentioned above displays the Node JS version installed in your practice lab

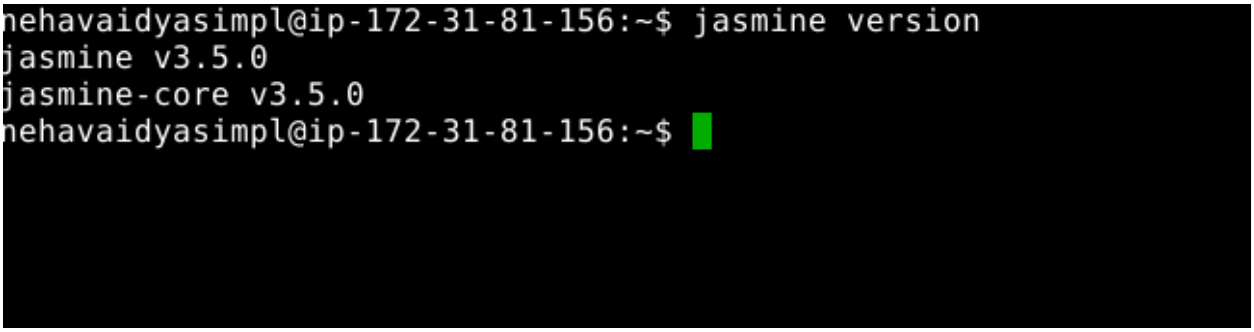
- If Node JS is not installed in your practice lab, you can install it using the commands:

sudo apt-get update
sudo apt-get install nodejs

Jasmine:

- Jasmine has been installed in your practice lab using *npm*
- To verify the installation:
    - Open the command-line interface
    - Type the command:

jasmine version



- If Jasmine is not installed in your practice lab, you can install it using the command:

npm install -g jasmine

Angular:

- Angular has been installed in your practice labs using *npm*
- To verify the installation:
    - Open the command-line interface
    - Type the command:

ng --version

```
nehavaidyasimpl@ip-172-31-81-156:~$ ng --version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Angular CLI: 9.1.7
Node: 12.18.2
OS: linux x64

Angular:
...
Ivy Workspace:

Package                      Version
------------------------------------------------------
@angular-devkit/architect    0.901.7
@angular-devkit/core         9.1.7
@angular-devkit/schematics   9.1.7
@schematics/angular          9.1.7
```

- In case Angular is not installed in your practice lab, you can install it using the command:

  npm install -g @angular/cli

MongoDB:

- To verify the installation:
  - Open the command-line interface
  - Type the command:

  mongod --version

```
nehavaidyasimpl@ip-172-31-81-156:~$ mongod --version
db version v3.2.22
git version: 105acca0d443f9a47c1a5bd608fd7133840a58dd
OpenSSL version: OpenSSL 1.0.2g  1 Mar 2016
allocator: tcmalloc
modules: none
build environment:
    distmod: ubuntu1604
    distarch: x86_64
    target_arch: x86_64
nehavaidyasimpl@ip-172-31-81-156:~$
```

- In case MongoDB is not installed in your practice lab, you can install it using the commands:

  sudo apt-get update
  sudo apt-get install -y mongodb-org

clear