

# **eSRD-Lab**

## **Virtual Internship 2nd batch**

### **Instruction for Local Environment Setup**

#### **Track-1**

#### **Advanced Java-based Real-life Systems Development**

Technology tools stack:

- Java Spring Boot
- Angular
- MongoDB
- HTML
- CSS

#### **Java Environment Setup:**

Linux:

<https://www.digitalocean.com/community/tutorials/how-to-install-java-with-apt-on-ubuntu-18-04>

Windows: [https://www.java.com/en/download/help/windows\\_manual\\_download.html](https://www.java.com/en/download/help/windows_manual_download.html)

IDE for Java:

- IntelliJ Idea (Jetbrains)
- Eclipse
- Netbeans
- Or any IDE you preferred

Recommendation: Use [Jetbrains Toolbox App](#) to install offered IDE by jetbrains

#### **Angular Environment Setup:**

1. [Angular CLI and setup local development environment on linux](#)
2. [Setup local development environment on windows 10](#)
3. [Edureka Angular Tutorial Playlist](#)

IDE for Angular:

- Webstorm (Jetbrains)
- Atom
- VS code

- Or other

### **MongoDB Setup:**

Follow the official [documentation](#) of mongoDB to set up the environment. Your local machine mongo will be running on [27017](#) port by default.

**Or**, if you want to use the free cloud service of mongodb there is 512mb free space to create one cluster in [Atlas Mongoddb](#).

### **Track-2**

### **Advanced PHP-based Real-life Systems Development**

Technology tools stack:

- PHP
- MySQL
- Javascript, HTML, CSS

Framework: CodeIgniter

### **PHP and MySQL environment setup:**

Follow this [documentation](#) Installation and configuration of Apache, MySQL and PHP in linux environment (LAMP) or use [XAMPP](#) for faster installation.

### [Setup codeigniter environment](#)

IDE recommended:

- PHPStorm (Jetbrains)
- VS Code
- Atom