Docker Workshop by tdevs.in

Thanks for enrolling in Docker Workshop. Before getting started, you need to set up your system beforehand, so that the workshop can go smoothly.

System Requirements

Below are necessary requirements for the system:

1. Must have 8 GB of RAM.
2. Running Linux, MacOS or Windows.
3. If you have Windows, consider setting up WSL (Ubuntu).

Software Required

You need to install below softwares to enable a smooth experience in the workshop:

1. **Docker [Required]:** You can use the official documentation here https://docs.docker.com/engine/install/. You can also follow post installation steps if you are using linux to allow run docker as a non-root user. You can follow this guide https://docs.docker.com/engine/install/linux-postinstall/. **Please make sure this is ready before the workshop. We have limited time during the workshop and can't spend much during that time.**
2. **Git [Required]**: Install Git on your system. Make sure you have password less setup in place with GitHub using SSH keys. **GitHub account is required to seamlessly fork and clone application repository given during workshop. Please create a new account if you don't have one.** To setup password less authentication, please follow this guide: https://docs.github.com/en/authentication/connecting-to-github-with-ssh/adding-a-new-ssh-key-to-your-github-account
3. **OpenJDK 21 [Required]:** Please install Java to compile and run applications locally. If you don't have any java experience, it's totally fine. We will help with the steps. Please follow this guide: https://docs.oracle.com/en/java/javase/21/install/overview-jdk-installation.html
4. **Maven [Required]**: Please follow this to install: https://maven.apache.org/download.cgi
5. **NodeJS and NPM [Optional]:** This is for frontend. In case you wish to build frontend locally and see how this works, please install it. Please follow this guide: https://nodejs.org/en/download/package-manager

6. **IntelliJ Community Edition [Recommended]:** IntelliJ works seamlessly with Java applications. You can install it to better understand the configurations of the application. Please scroll a little to see downloads of community edition: https://www.jetbrains.com/idea/download
7. **VS Code [Optional]:** If you already have some experience with Java, you can also use VS Code. Can work with Dockerfiles as well. https://code.visualstudio.com/download
8. **MySQL [Optional]:** This database can be started using docker container as well. But if you prefer running services locally, feel free to install this: https://dev.mysql.com/doc/mysql-installation-excerpt/5.7/en/installing.html

Please spend some time installing the above listed softwares to make the most out of the workshop. In case, these setups are not done beforehand, you will probably spend all the time setting these up and won't be able to do anything in workshop.