Day1. Introduction

Week1 – Unix & Java Basics

Week2 – Java OOPs concpets, TDD & Unit Testing using Junit

Week3 – Core Java continues..

Week4 – SQL (RDS) -JDBC

Week5 – HTML/CSS/JS & Javalin

Week6 – Typescript

Week7 – React

Week8 – Hibernate & Spring

Week9 – Spring Boot & MicroService

Week10-12 – Project

List of Softwares/Tools/IDE needed

1. VS Code –
2. Eclipse EE –
3. STS –
4. Git -
5. Maven
6. SonarQube
7. MySQL
8. Postgres
9. Docker/Jenkins -
10. NodeJS/NPM -
11. Create-react-app -
12. JDK 1.8 (Java8) –

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| --- | --- | --- | --- |
| No | Tool/IDE/Software Name | Download URL | Comments |
| 1 | JDK 1.8 (Java 8) | https://www.oracle.com/java/technologies/downloads/#java8-windows | [jdk-8u321-windows-x64.exe](https://www.oracle.com/java/technologies/downloads/#license-lightbox) |
| 2 | Eclipse EE | https://www.eclipse.org/downloads/packages/ | Eclipse for Enterprise Java & Web Developers |
| 3 | VS Code | https://code.visualstudio.com/download |  |
| 4 | Git-Scm | <https://git-scm.com/download/win> |  |
| 5 | Tomcat | <https://tomcat.apache.org/download-80.cgi> |  |
| 6 | Maven | <https://maven.apache.org/download.cgi> |  |
| 7 | NodeJS | <https://nodejs.org/en/> |  |
| 8 | MySQL | <https://dev.mysql.com/downloads/installer/> | **Windows (x86, 32-bit), MSI Installer** |
| 9 | Postgres | https://www.enterprisedb.com/downloads/postgres-postgresql-downloads |  |
| 10 | SonarQube | <https://www.sonarqube.org/downloads/> |  |
| 11 | Docker | <https://www.docker.com/products/docker-desktop> |  |
| 12 | Jenkins | <https://www.jenkins.io/download/thank-you-downloading-windows-installer-stable/> |  |
| 13 | STS | <https://spring.io/tools> |  |

C:\Program Files\Java – check the Java Version, if jdk1.8 not available then download the jdk from the above url.

Setting up environment variable - JAVA\_HOME, path