* Install Latest JDK
* The basic prerequisite for Maven is Java JDK because Maven is a build tool and it requires all the build and compiles related java tools.
* Let’s install the latest JDK.
* For Ubuntu,
* sudo apt install openjdk-17-jdk openjdk-17-jre -y
* For Amazon Linux,
* sudo yum install java-17-amazon-corretto-devel -y
* For Redhat Linux,
* sudo yum install java-17-openjdk -y
* Verify Java JDK installation using the following command.
* java -version
* Install Maven (Latest From Maven Repo)
* Follow the steps given below to install the latest maven package from the official maven repo.
* Step 1: Go to [Maven Downlaods](https://maven.apache.org/download.cgi) and get the download link of the latest package.
* wget wget https://dlcdn.apache.org/maven/maven-3/3.9.0/binaries/apache-maven-3.9.0-bin.tar.gz
* Step 2: Untar the mvn package to the /opt folder.
* sudo tar xvf apache-maven-3.9.0-bin.tar.gz -C /opt
* Step 3: Create a symbolic link to the maven folder. This way, when you have a new version of maven, you just have to update the symbolic link and the path variables remain the same.
* sudo ln -s /opt/apache-maven-3.9.0 /opt/maven
* Note: Always install specific version of maven that is used across CI environment. So that there wont be any build issues due to version mismatch when you take the code from development to deployment environments
* Add Maven Folder To System PATH
* To access the mvn command systemwide, you need to either set the M2\_HOME environment variable or add /opt/maven to the system PATH.
* We will do both by adding them to the profile.d folder. So that every time the shell starts, it gets sourced and the mvn command will be available system-wide.
* Step 1: Create a script file named maven.sh in the profile.d folder.
* sudo vi /etc/profile.d/maven.sh
* Step 2: Add the following to the script and save the file.
* export M2\_HOME=/opt/maven
* export PATH=${M2\_HOME}/bin:${PATH}
* Step 3: Add execute permission to the maven.sh script.
* sudo chmod +x /etc/profile.d/maven.sh
* Step 4: Source the script for changes to take immediate effect.
* source /etc/profile.d/maven.sh
* Step 5: Verify maven installation
* mvn -version
* git clone https://github.com/sreevanik9666/maven-web-application
* cd maven-web-application/
* ll
* mvn clean package
* .....(Building war: /root/maven-web-application/target/maven-web-application.war)
* ll
* cd target
* ll(.....showing the .war file.....)