**Preconditions (Set up Step) – One Time Activity**

1. Java Installed with Path variable set
   1. In the machine search for Edit environment variables and Search for Path variable
   2. In Path variable define the Java path (C:\Program Files\Java\jdk-11\bin)
   3. Update the location of java in path variable
2. Android Studio installed with 3 Path variables
   1. Make sure SDK is installed in the android either (8.1 or 9)
3. Eclipse Editor
4. Setting up path variable
   1. JAVA\_HOME - C:\Program Files\Java\jdk-11\
   2. ANDROID\_HOME - **C:\Users\harish.pandalangatt\AppData\Local\Android\Sdk**
   3. Set the location for SDK, platform tools
      1. C:\Users\harish.pandalangatt\AppData\Local\Android\Sdk
      2. C:\Users\harish.pandalangatt\AppData\Local\Android\Sdk\platform-tools
      3. C:\Users\harish.pandalangatt\AppData\Local\Android\Sdk\tools\bin
5. Install Node js in the machine
6. Install Appium (npm install -g appium)
7. Create a new device in Android studio to execute the Appium scripts
   1. In Android studio – Click on Device Manager
   2. Click on Create Device
   3. Select any device Ex: Pixel XL
   4. Select the Android version
   5. Click on Finish

**Verification Steps**

1. To check appium version – appium –version
2. To check if the devices are connected and running – adb devices in cmd

**Steps for creating a project and dependency:**

Step 1) Create a new Java Project (Provide project Name, uncheck the module-info file)

Step 2) Convert the java project into a Maven Project

Right click on the project ->Configure ->Convert to Maven Project

Types of Mobile Applications

1. Native App –
   1. Android Amazon App (Play store)
   2. Amazon App iOS (App Store)
2. Web Apps
   1. Apps or applications which can be opened in a browser( Chrome – Android, Safari – iOS)
3. Hybrid Apps – It has the UI of the native apps but the platform is developed based on the web technology (cordova or ionic)