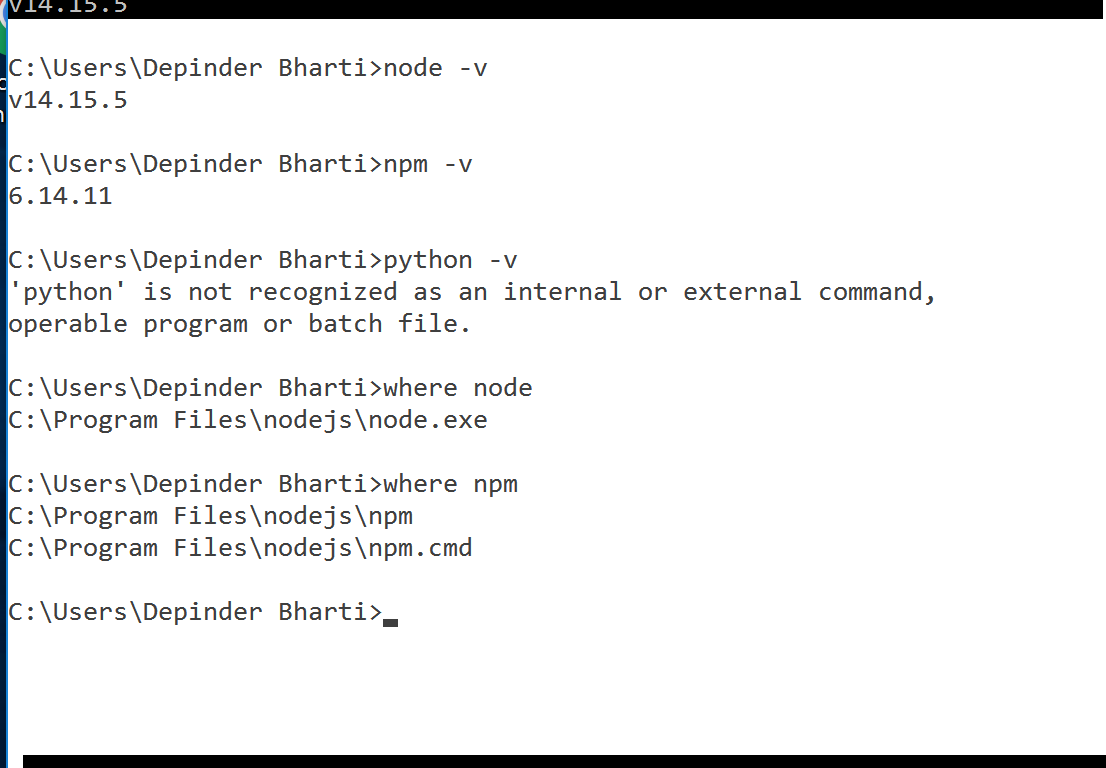
**SETUP Guide**

1. Install Node.js on your machine (Follow Node js guide for installation)
   1. 
2. Install Appium on your machine
   1. “npm install -g Appium”
3. Check if appium is installed
   1. “appium -v
   2. “where Appium”
4. Dot Net might be required 4.6.1 – Depends upon the system. See if any installation asks for it.
5. Install Android Studio
   1. Download SDKs and create an emulator
   2. Follow Android Studio guide
6. Install Appium Doctor to test your Appium setup
   1. Execute to check if everything is installed perfectly “Appium-doctor –android”
7. Install Pycharm IDE – For coding – You can use any IDE or even Notepad if you prefer
   1. Set Python interpreter
8. Create account on the todoist
   1. Username: [depinder@gmail.com](mailto:depinder@gmail.com)
   2. Password: testassignment
   3. API Token : 49a99883576f8eb3343859b79e0bdcdab3cf91ac
9. Install Python and libs
   1. “pip install Appium-python-client” (this will automatically install selenium)
   2. “pip install pandas”
10. Install JRE - will help in recognizing ui elements on emulator/device
11. Declare Android\_Home and JAVA\_Home in environment variables and update PATH
    1. PATH: %ANDROID\_HOME%\tools;%ANDROID\_HOME%\platform-tools
    2. ANDROID\_HOME C:\Users\Depinder Bharti\AppData\Local\Android\Sdk
    3. JAVA\_HOME {your install location}
12. Check with Appium doctor if all the installations are fine
13. Start Appium “appium”
14. This test assumes that the apk is already installed on the device – if not it can be passed as Appium parameter.

**Debug Tips**

**Check device name**

Check for device name for using in the testcase setup – “adb devices”



**Check appname and activity name/Launchable activity**

Adb shell

dumpsys window windows| grep -E 'mObscuringWindow'

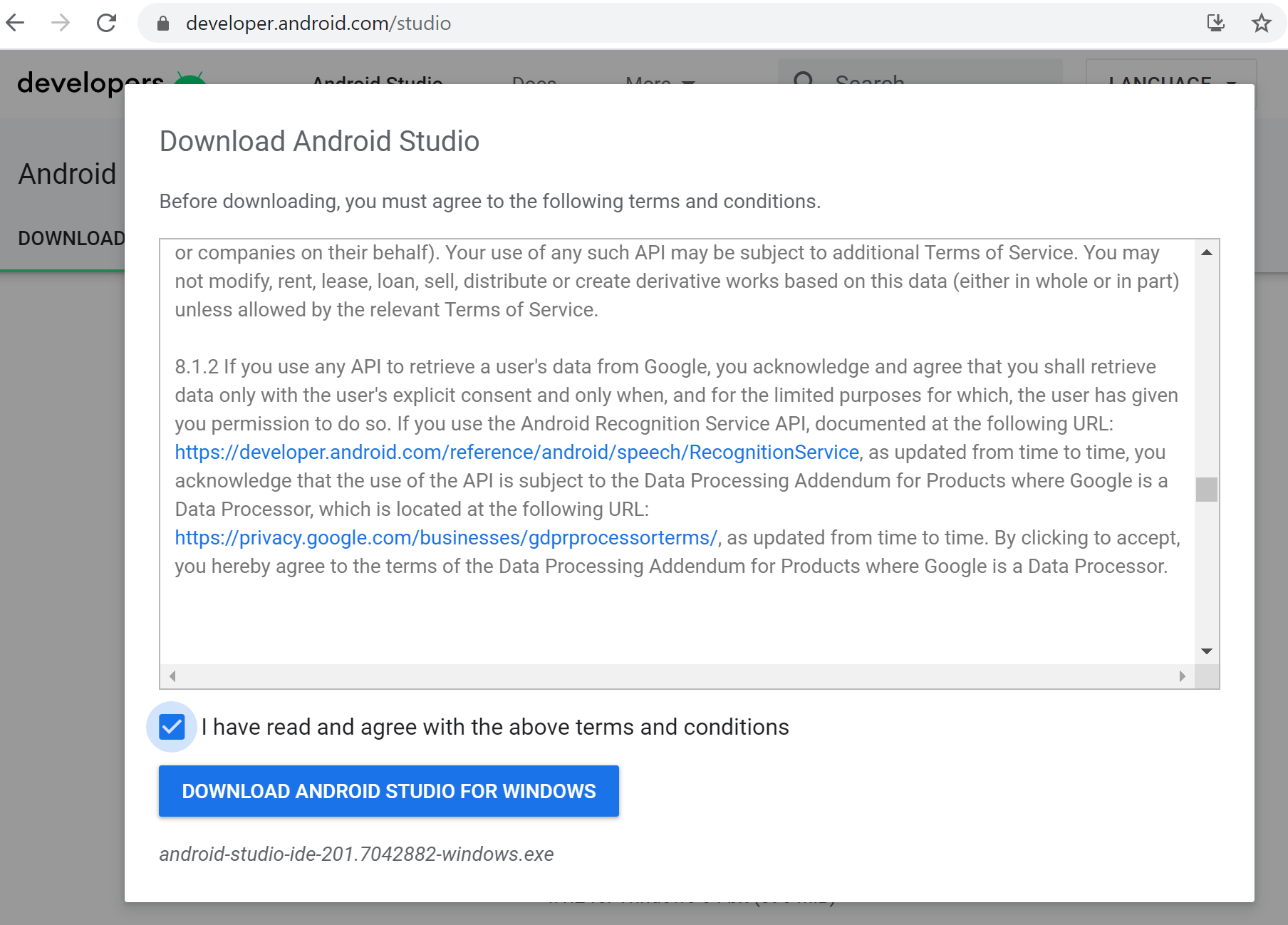
aapt dump badging {path to apk}

**Restart daemon if required (if crashes)**

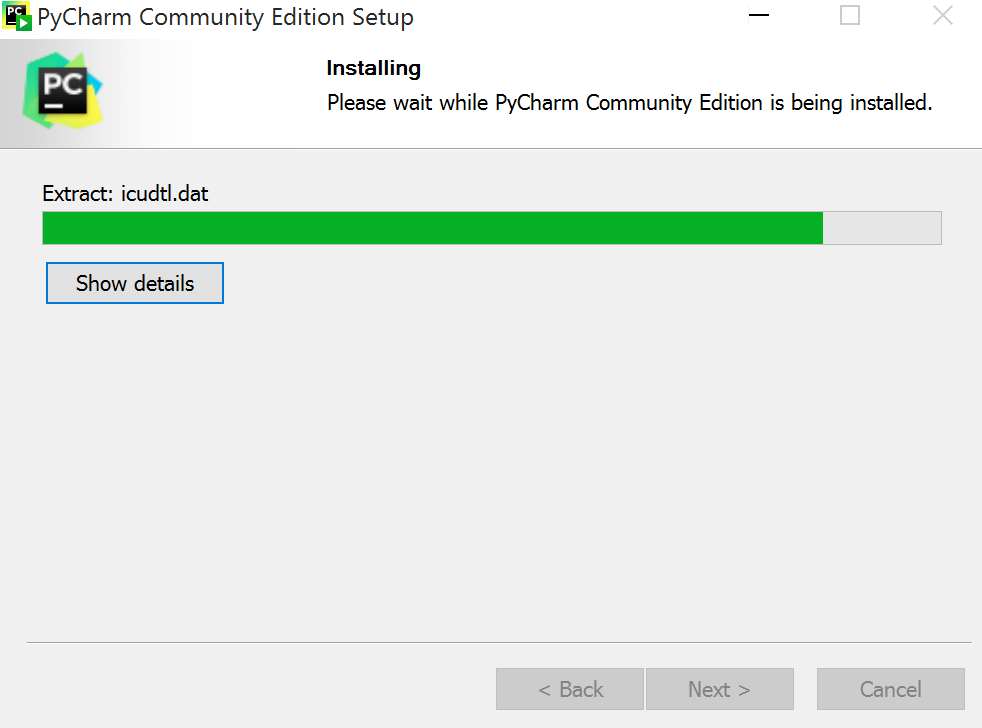
Adb kill-server

Adb start-server

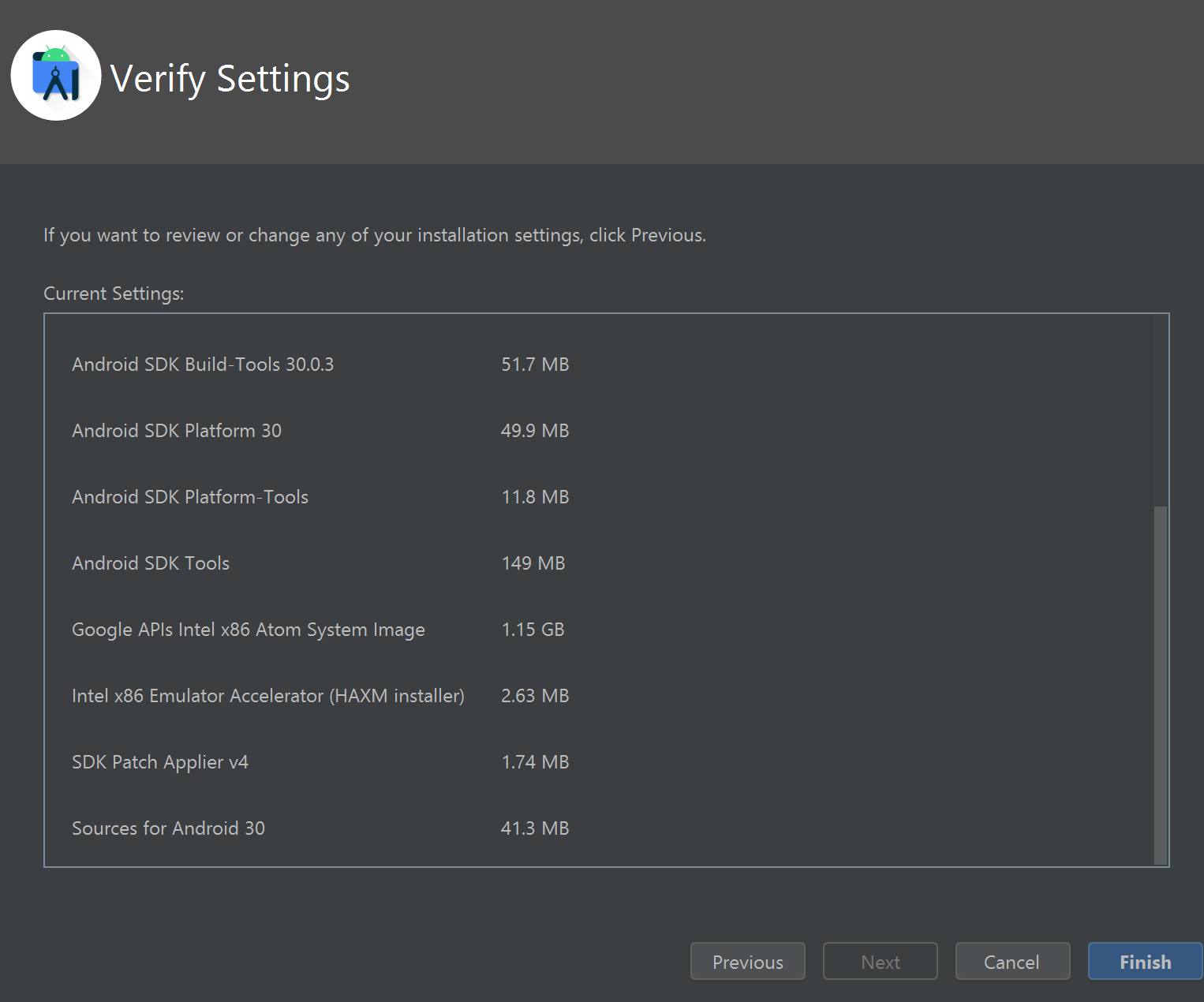
**Installation Screenshots**



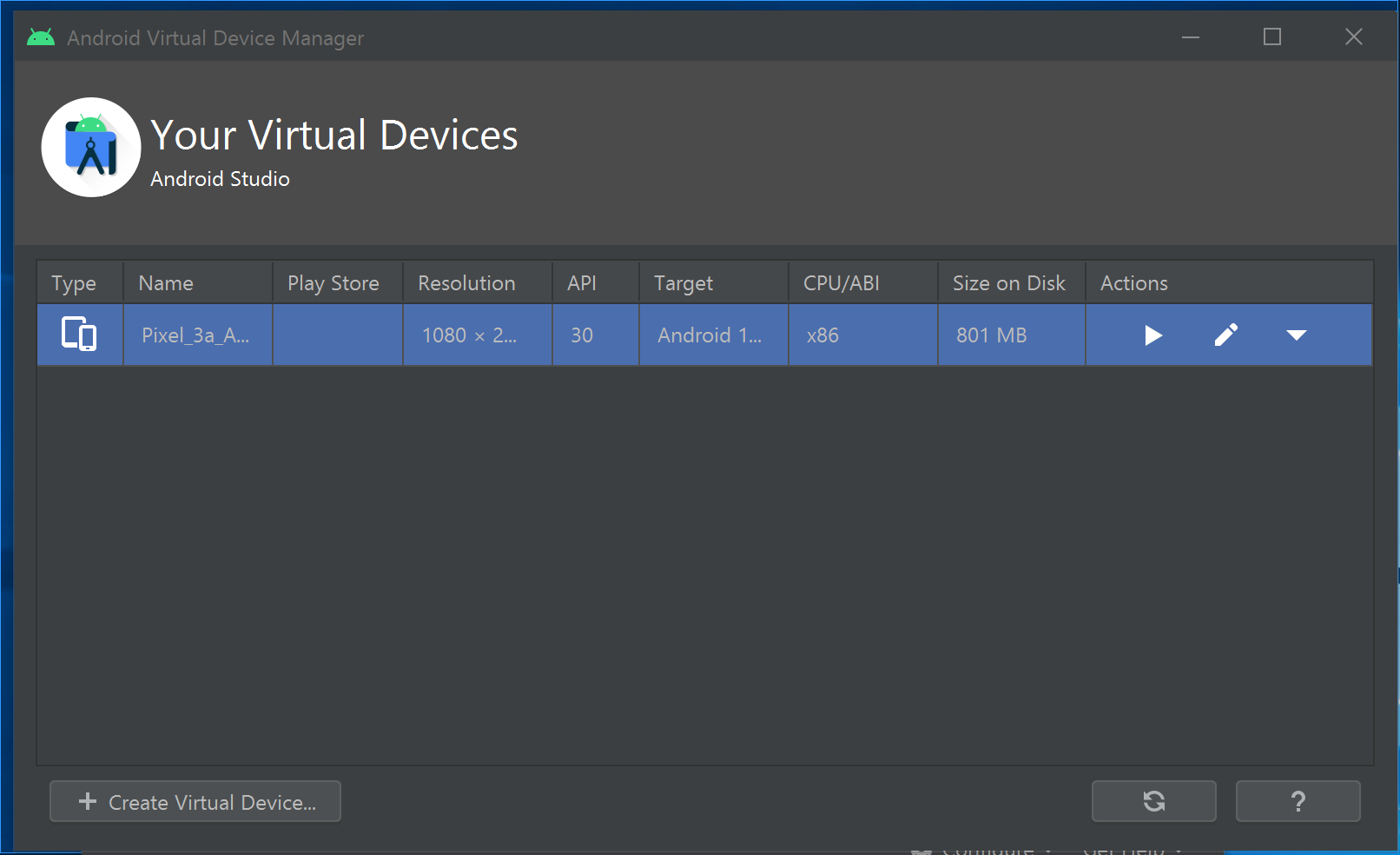
Install pycharm



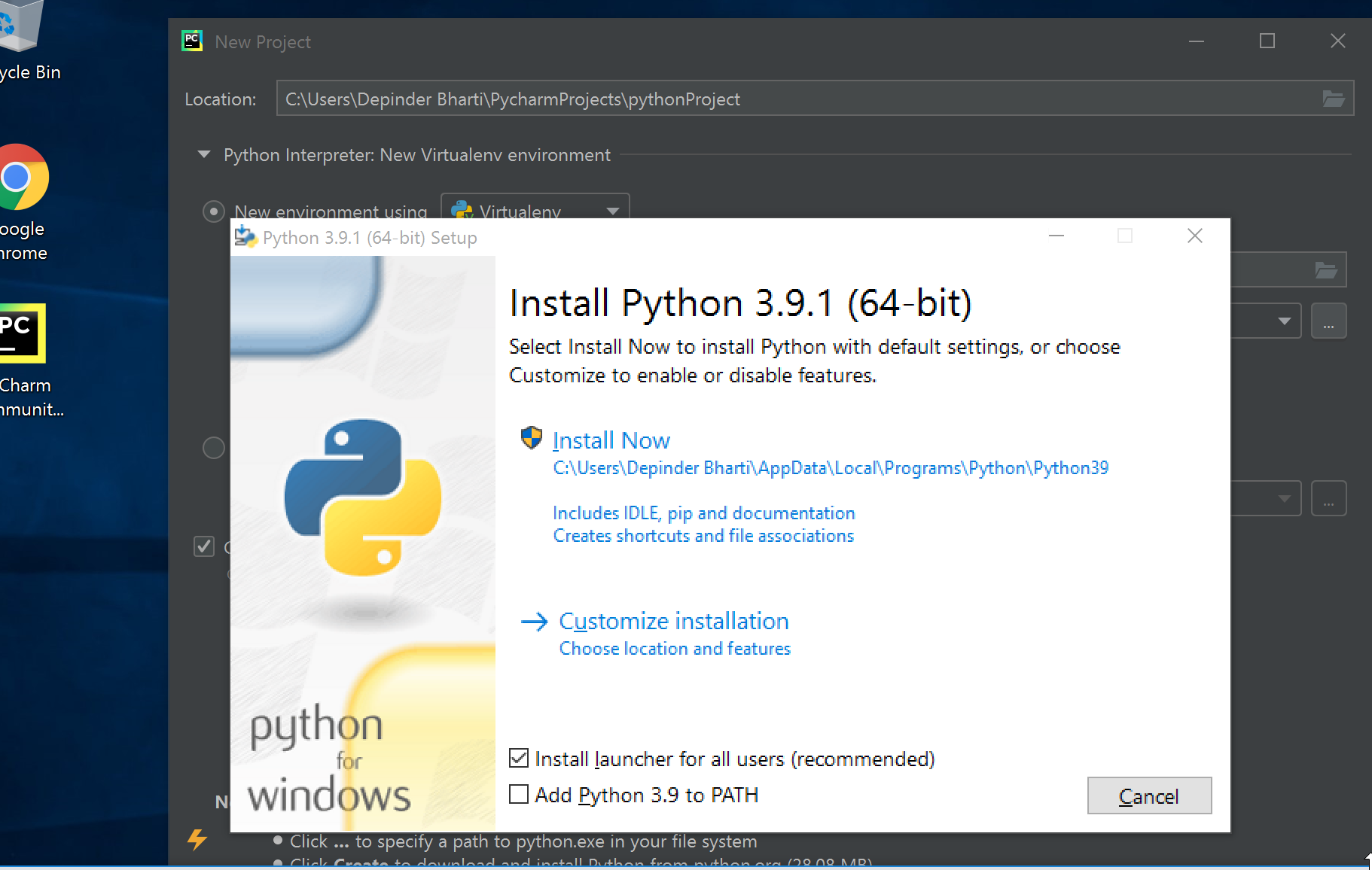
Basic Android studio Setup



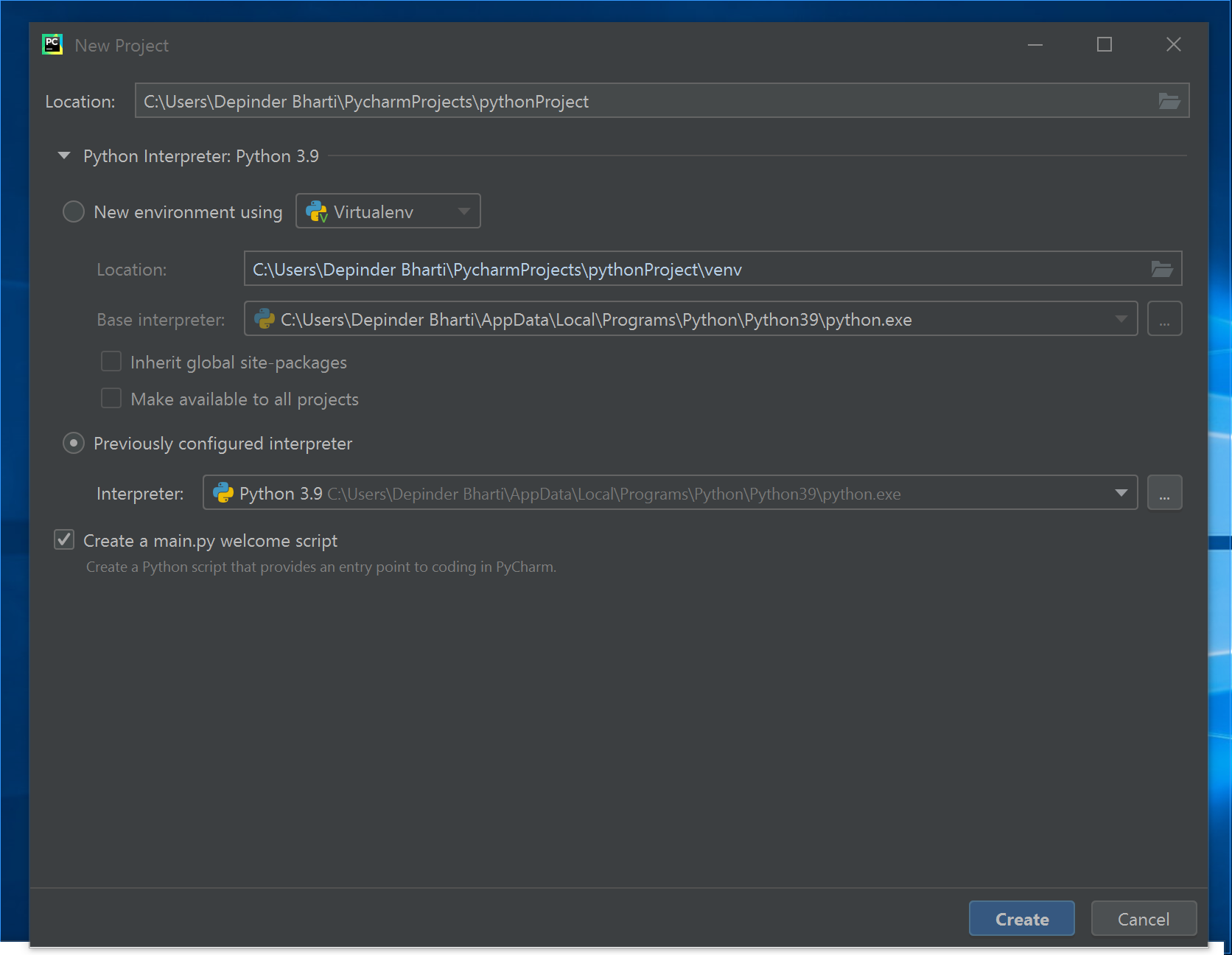
Open AVD manager and check your new AVD or edit if required

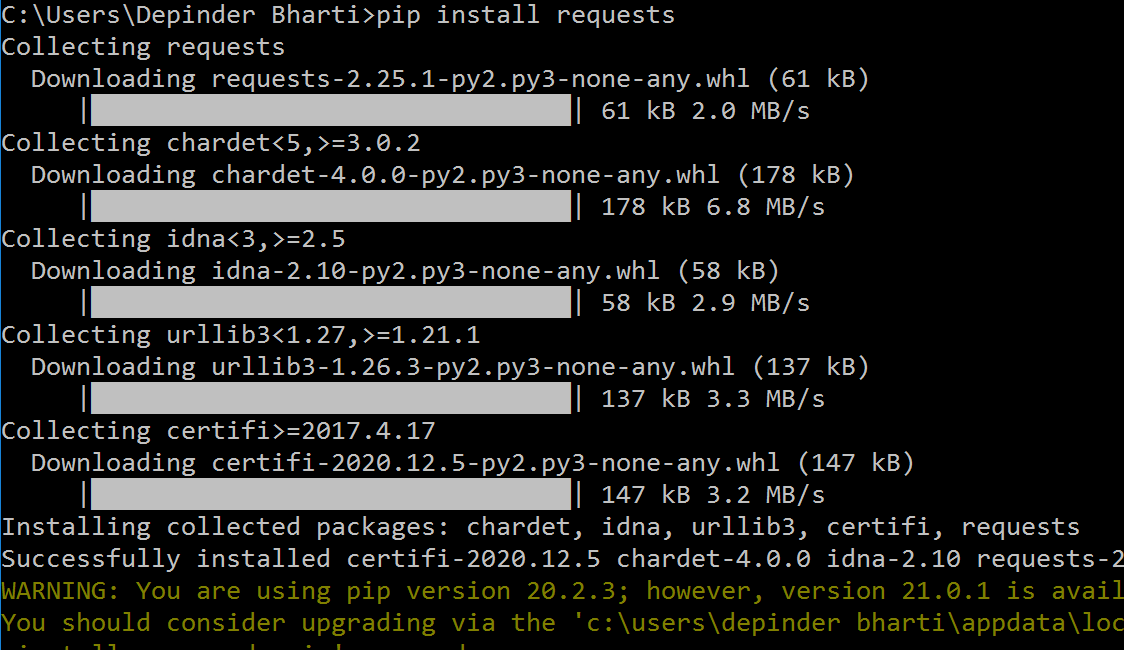


Install python

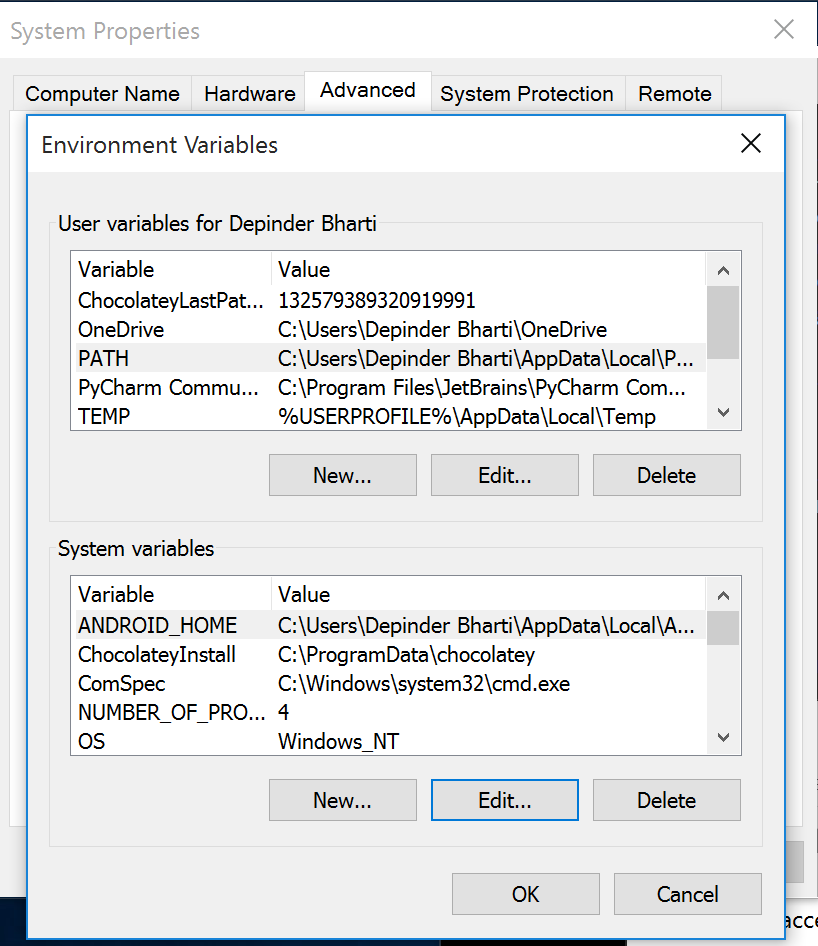


Create a new project and configure python interpreter





Environment variables



**Emulator**

