Creating Appium Script to check the battery percentage in Android phone Settings.

Install appium.

```
C:\Users\Punith>npm install -g appium
```

Install the uiautomator2 driver.

```
C:\Users\Punith>appium driver install uiautomator2

Checking if 'appium-uiautomator2-driver' is compatible

Installing 'uiautomator2' using NPM install spec 'appium-uiautomator2-driver'

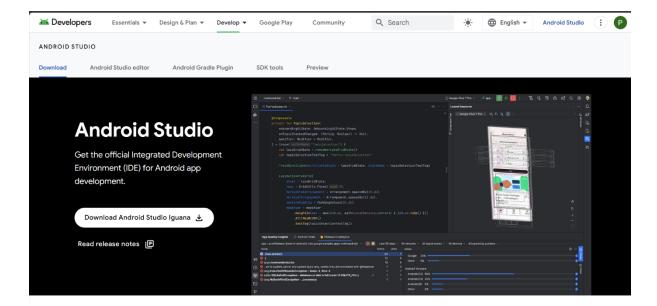
Driver uiautomator2@3.1.0 successfully installed

automationName: UiAutomator2

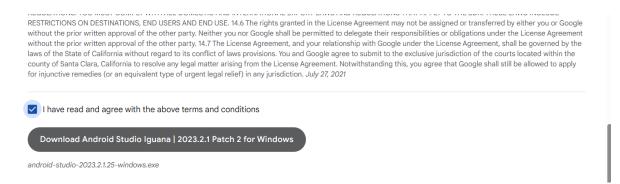
platformNames: ["Android"]
```

"appium" is the command to run the server. The appium runs on port 4723 by default.

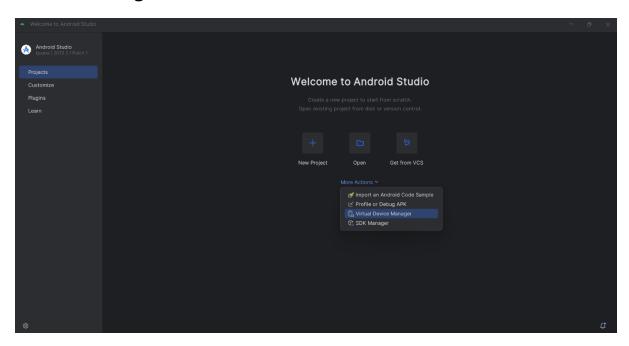
Download Android Studio. Choose the latest version.



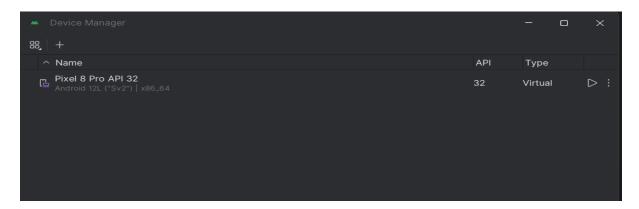
Check the terms and conditions and Choose Download.



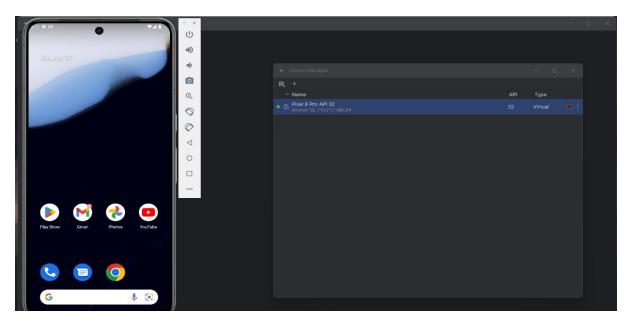
This is how android studio interface looks like. Choose Virtual Device Manager.



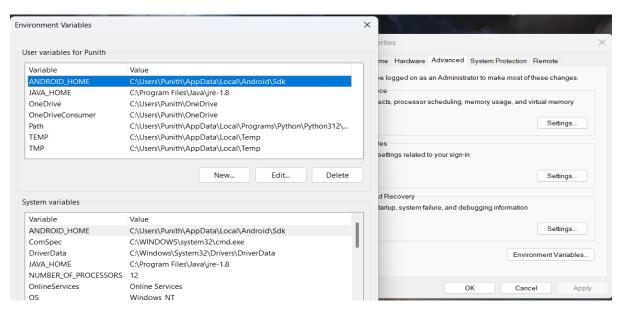
There is an virtual device installed. Run the emulator.



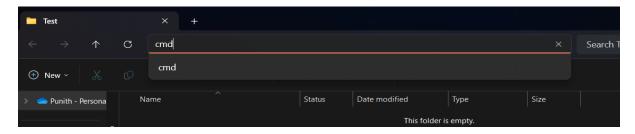
The virtual device has opened.



Make sure to set the ANDROID_HOME path.



Create a new folder and open in terminal.



Use 'npm init' to initialize node into the folder.

```
C:\Windows\System32\cmd.e × + \ \
Microsoft Windows [Version 10.0.22631.3374]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Punith\OneDrive\Desktop\Test>npm init
```

Hit enter and the package.json has the dependencies created.

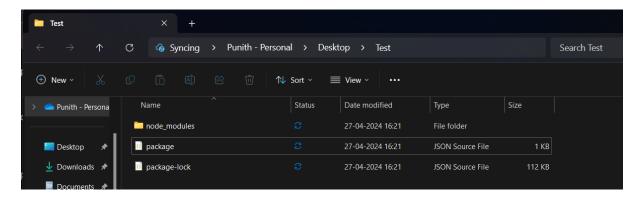
```
Press ^C at any time to quit. package name: (test)
version: (1.0.0)
description:
entry point: (index.js)
test command:
git repository:
keywords:
author:
license: (ISC)
About to write to C:\Users\Punith\OneDrive\Desktop\Test\package.json:
  "name": "test"
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  "author": ""
  "license": "İSC"
Is this OK? (ves)
```

Install webdriverio package.

```
C:\Windows\System32\cmd.e \times + \times

C:\Users\Punith\OneDrive\Desktop\Test>npm i --save-dev webdriverio |
```

The node modules have been installed into folder.



This is the code used to run appium script and go to settings>battery and click on battery.

Make sure the appium is running.

```
Microsoft Windows [Version 10.0.22631.3374]
(c) Microsoft Corporation. All rights reserved.

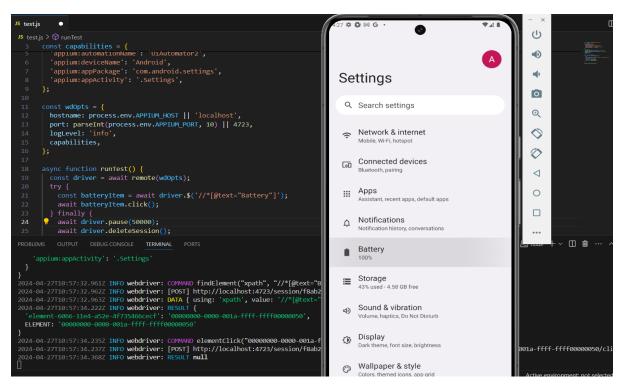
C:\Users\Punith>appium
[Appium] Welcome to Appium v2.5.4 (REV 19a67d6c56a413d818ef3b96adff6fa49b0a925b)
[Appium] The autodetected Appium home path: C:\Users\Punith\.appium
[Appium] Attempting to load driver uiautomator2...
[Appium] AndroidUiautomator2Driver has been successfully loaded in 1.922s
[Appium] Appium REST http interface listener started on http://do.0.0:4723
[Appium] You can provide the following URLs in your client code to connect to this server:
[Appium] [Appium] http://192.168.56.1:4723/
[Appium] http://122.2.109.288.4723/
[Appium] Available drivers:
[Appium] No plugins have been installed. Use the "appium plugin" command to install the one(s) you want to use.
```

Enter 'node test.js' to execute the code.

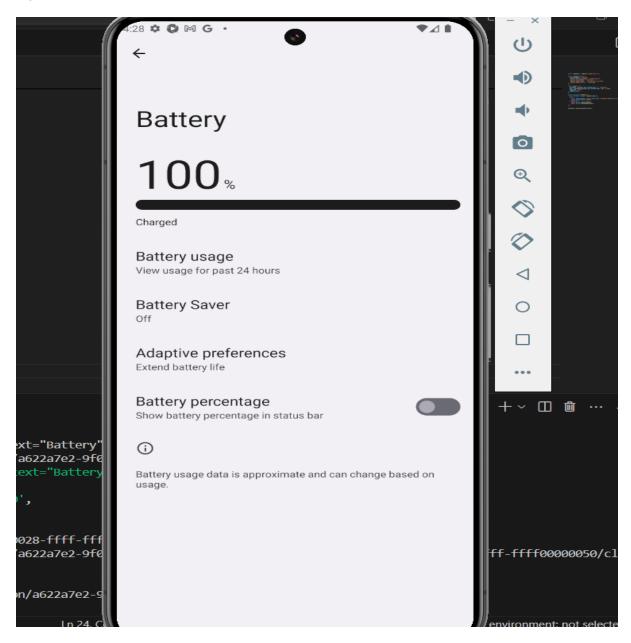
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Punith\OneDrive\Desktop\Test> node test.js
```

Settings has opened and clicked on the Battery.



We can see it clicked and the battery of the virtual device shown up.



Video Link:

https://drive.google.com/file/d/1Kq0q7kaIfBxWjcIOLUvOKksTHeO IHrfc/view?usp=drive_link