To make the emulator open Faster:

Open the Device Manager in the Arduino Studio Where name of the Device is appDevice.

In the text file[Name: emulator2.bat, Save as Type: All file],

Write below Code:

```
@echo off
cd /d "C:\Users\kiran\AppData\Local\Android\Sdk\emulator"
start emulator -avd appDevice
pause
```

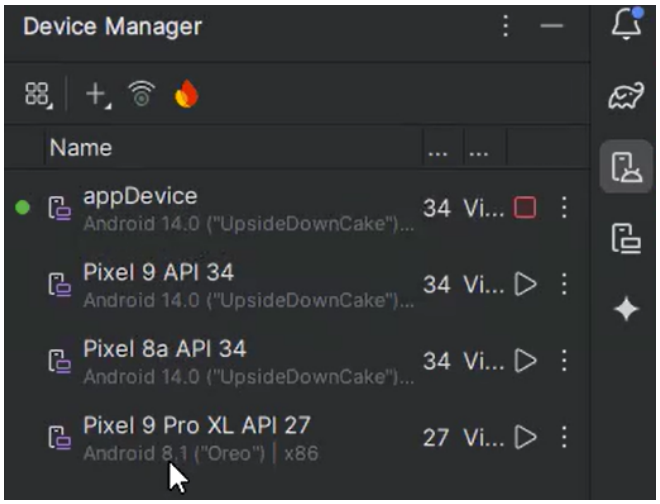
In the Command Prompt, type > adb devices

Which shows > emulator-5554 use this in capability

To check the available emulators. Create a new Tab in the command Prompt and type the command > appium

To start the Appium Server.

Android Version Written in the Bottom:



In the Eclipse Create a new test named googleTest.java:

Download the chromeDriver and copy as path used for setProperty

Write the below code:

```
package webApp;
public class googleTest{
```

```
    public static void main(String[] args) throws
MalformedURLException{
        googleSetup();
    }

    public static void googleSetup() throws
MalformedURLException, InterruptedException{
        // System.setProperty("webdriver.chrome.driver",
"C:\\Users\\kiran\\Downloads\\chromedriver_win32\\chrome
driver.exe");
        DesiredCapabilites dc = new
DesiredCapabilities();
        dc.setCapability("deviceName", "appDevice");
        dc.setCapability("udid", "emulator-5554");
        dc.setCapability("platformName", "Android");
        dc.setCapability("platformVersion", "14");
        dc.setCapability("browserName", "Chrome");
        dc.setCapability("automationName",
"UiAutomator2");
// Copy in Eclipse Workspace in just Maven Project
        dc.setCapability("chromedriverExecutable", "
C:\\Users\\kiran\\eclipse-workspace\\appiumTest\\chromed
river.exe");

        URL url = new URL("http://127.0.0.1:4723");
        AndroidDriver driver = new AndroidDriver(url,
dc);
        System.out.println("Application Started. . .");
        driver.get("https://www.google.co.in/");
// Providing values in the search bar and gives the list
// of relative search among them select the first option
```

```
        driver.findElement(By.xpath("//textarea[@name =
'q']")).sendKeys("Selenium");
        driver.findElement(By.xpath("(//div[@role =
'option'])[1]")).click();
        Thread.sleep(2000);

        JavascriptExecutor js = (JavascriptExecutor)
driver;
        List<WebElement> list =
driver.findElements(By.className("yIn80d"));
        for(WebElement ele: list){
            System.out.println(ele.getText());
            js.executeScript("arguments[0].scrollIntoVi
        ew(true)", ele);
            if(ele.getText().contains("Wikipedia")){
                ele.click();
                break;
            }
        }
    }
}
```

Actions on App:

```
Actions on Appium:
PointerInput touch = new
PointerInput(PointerInput.Kind.TOUCH, "finger");
PointerInput mouse = new
PointerInput(PointerInput.Kind.MOUSE, "mouse");
PointerInput pen = new
PointerInput(PointerInput.Kind.PEN, "pen");
Sequence tap = new Sequence(touch, 0);
```

Create a Package in the the src/test/java named “TapActionTest”

Write the Code:

```
package actionsOnApp;
public class TapActionTest{
    public static void main(String[] args) throws MalformedURLException, InterruptedException {
        DesiredCapabilites dc = new DesiredCapabilities();
        dc.setCapability(“deviceName”, “appDevice”);
        dc.setCapability(“udid”, “emulator-5554”);
        dc.setCapability(“platformName”, “Android”);
        dc.setCapability(“platformVersion”, “14”);
        dc.setCapability(“automationName”, “UiAutomator2”);
        URL url = new URL(“http://127.0.0.1:4723”);
        AndroidDriver driver = new AndroidDriver(url, dc);
        System.out.println(“Application Started. . .”);

        WebElement youTubeApp = driver.findElement(By.xpath(“//android.widget.TextView[@content-desc=\”Predicted app: YouTube\”]”));
        Thread.sleep(3000);

        PointerInput touch = new PointerInput(PointerInput.Kind.TOUCH, “finger”);
        Sequence tap = new Sequence(touch, 0);
        tap.addAction(touch.createPointerMove(Duration.ZERO, PointerInput.Origin.fromElement(youTubeApp), 0, 0));
        tap.addAction(touch.createPointerDown(0));
```

```
            tap.addAction(touch.createPointerUp(0));
            driver.perform(Arrays.asList(tap));
        }
    }
```