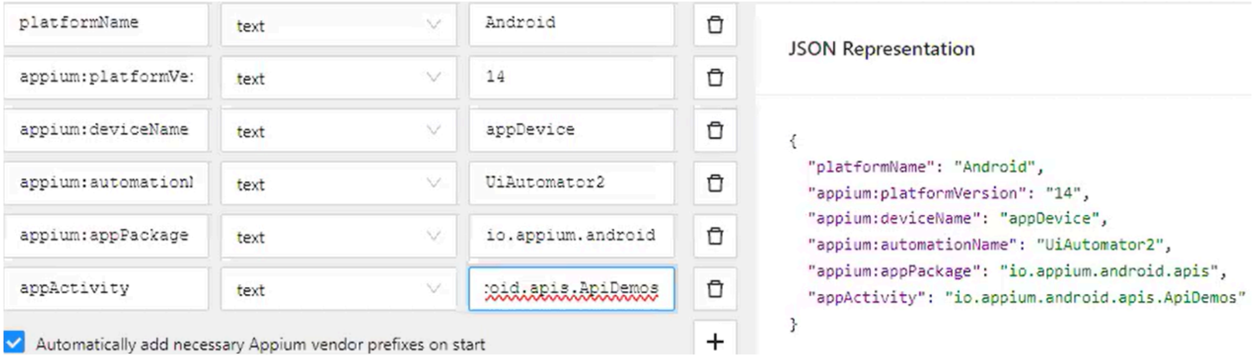
Pre-requisites:



platformName	text	Android
appium:platformVe:	text	14
appium:deviceName	text	appDevice
appium:automationl	text	UiAutomator2
appium:appPackage	text	io.appium.android
appActivity	text	:oid.apis.ApiDemos

☑ Automatically add necessary Appium vendor prefixes on start

JSON Representation

```
{
  "platformName": "Android",
  "appium:platformVersion": "14",
  "appium:deviceName": "appDevice",
  "appium:automationName": "UiAutomator2",
  "appium:appPackage": "io.appium.android.apis",
  "appActivity": "io.appium.android.apis.ApiDemos"
}
```

Run the appium server by typing the following commands in command prompt:

```
> nvm use v18
> appium
```

Run the Emulator.

Then Start the Session in the appium Inspector.

Then in the visual studio terminal run the following command:

```
> npx wdio
```

Create locators.js file in the test\specs

Script in locators.js file:

```
describe(‘Locators in webDriverIO’, () => {
    it(‘First Locator’, async () => {
        await $(“~Access’ibility”).click();
    })
})
```

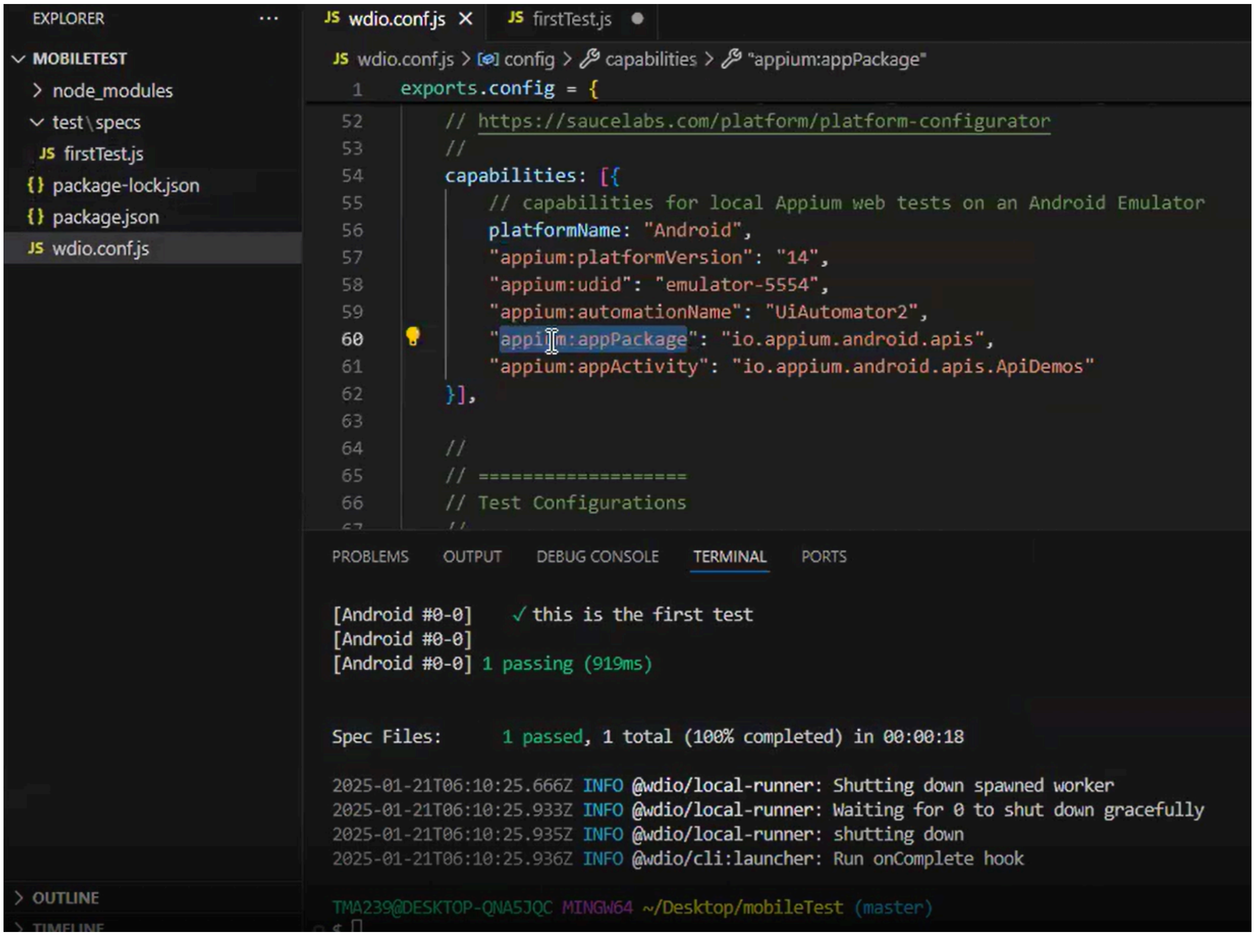
Then run by following command in terminal of visual studio:

```
> npx wdio
> npx wdio test/specs/locators.js
```

Error Occurs. Then delete the terminal and create the terminal again git bash.

```
> npx wdio
```

Where it shows the test has been passed.



```
exports.config = {
    // https://saucelabs.com/platform/platform-configurator
    //
    capabilities: [{
        // capabilities for local Appium web tests on an Android Emulator
        platformName: "Android",
        "appium:platformVersion": "14",
        "appium:udid": "emulator-5554",
        "appium:automationName": "UiAutomator2",
        "appium:appPackage": "io.appium.android.apis",
        "appium:appActivity": "io.appium.android.apis.ApiDemos"
    }],

    //
    // ===================
    // Test Configurations
```

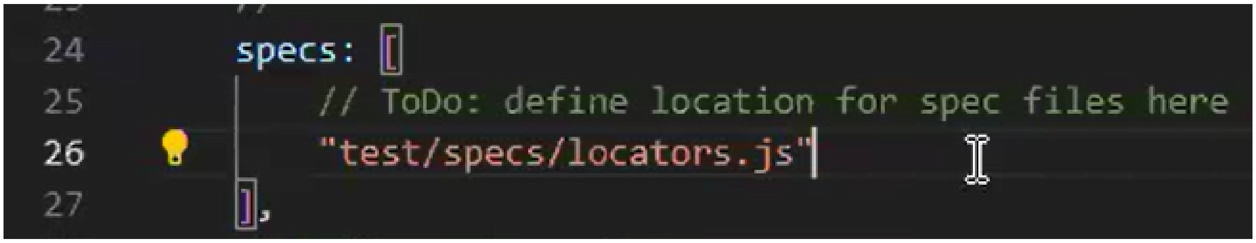
```
[Android #0-0]    ✓ this is the first test
[Android #0-0]
[Android #0-0] 1 passing (919ms)


Spec Files:      1 passed, 1 total (100% completed) in 00:00:18

2025-01-21T06:10:25.666Z INFO @wdio/local-runner: Shutting down spawned worker
2025-01-21T06:10:25.933Z INFO @wdio/local-runner: Waiting for 0 to shut down gracefully
2025-01-21T06:10:25.935Z INFO @wdio/local-runner: shutting down
2025-01-21T06:10:25.936Z INFO @wdio/cli:launcher: Run onComplete hook

TMA239@DESKTOP-QNA5JQC MINGW64 ~/Desktop/mobileTest (master)
```

In the wdio.conf.js file:



```
    specs: [
        // ToDo: define location for spec files here
        "test/specs/locators.js"
    ],
```

> npx wdio[Error occurs]

Change [await $(“~ Accessibility”).click();] to [await $(“~Access’ibility”).click();]

After correcting the accessibility id.

> npx wdio

Script in locators.js file:

```
describe(‘Locators in webDriverIO’, () => {
    it(‘Accessibility Locator’, async () => {
        await $(“~Access’ibility”).click();
        // Wait for 3 seconds and then closes
        await browser.pause(3000);
    })
    it(‘ClassName Locator’, async () => {
        // Wait for 3 seconds and then closes
        await browser.pause(1000);
        await $(“~Custom View”).click();
        const ele = await $(“android.widget.TextView”);
        expect(await
ele.getText()).toContain(‘Accessibility/Custom View’);
        //console.log(text);
        await browser.pause(3000);
    })
    it(‘xPath Locator’, async () => {
        await
$(“//android.widget.TextView[@content-desc=’Views’]”);
    })
})
> npx wdio
```

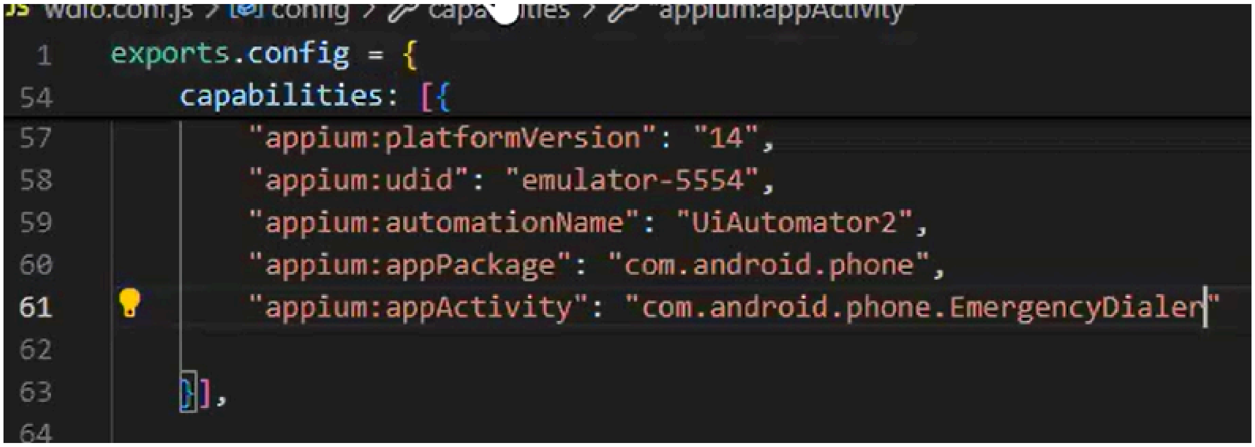
Script in locators.js file:

```
describe(‘Locators in webDriverIO’, () => {
    it(‘xPath Locator’, async () => {
        await
$(“//android.widget.TextView[@content-desc=’Views’]”);
        await browser.pause(3000);
    })
})
> npx wdio
```

Create a script named ‘calculatorApp.js’ in test\specs

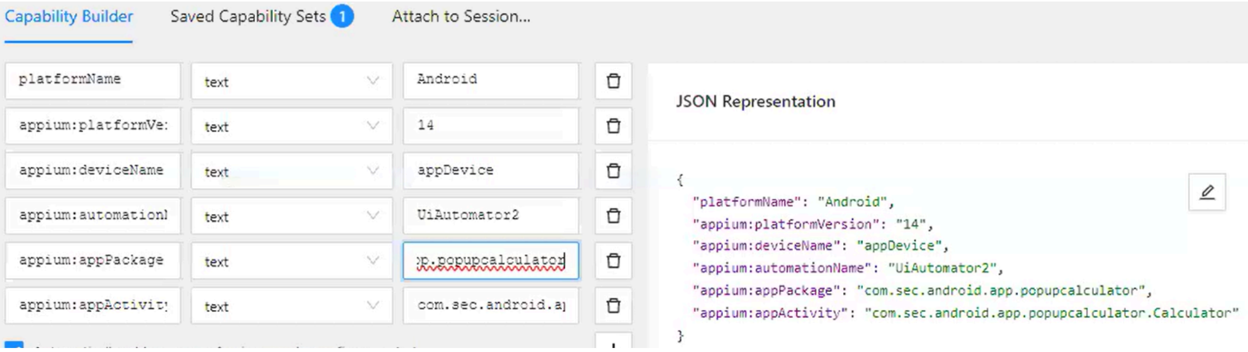
Script in ‘calculatorApp.js file:

Download the calculator apk and scroll into emulator and similarly for APKInfo



```
exports.config = {
    capabilities: [{
        "appium:platformVersion": "14",
        "appium:udid": "emulator-5554",
        "appium:automationName": "UiAutomator2",
        "appium:appPackage": "com.android.phone",
        "appium:appActivity": "com.android.phone.EmergencyDialer"

    }],
```



platformName	text	Android
appium:platformVe:	text	14
appium:deviceName	text	appDevice
appium:automationl	text	UiAutomator2
appium:appPackage	text	p.popupcalculator
appium:appActivit:	text	com.sec.android.a

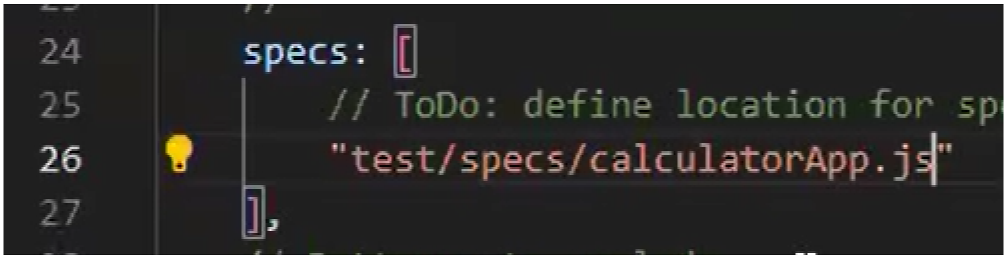
JSON Representation

```
{
  "platformName": "Android",
  "appium:platformVersion": "14",
  "appium:deviceName": "appDevice",
  "appium:automationName": "UiAutomator2",
  "appium:appPackage": "com.sec.android.app.popupcalculator",
  "appium:appActivity": "com.sec.android.app.popupcalculator.Calculator"
}
```

```
// Automating native app
describe(‘Automating Phone App’, () => {
    it(‘Opening the Phone’, async () => {
        await $(“~5, JKL”).click()
        await $(“~8, TUV”).click()
        await $(“~5, JKL”).click()
        await $(“~8, TUV”).click()
        await $(“~5, JKL”).click()
        await $(“~8, TUV”).click()
        await $(“~5, JKL”).click()
        await $(“~8, TUV”).click()
        await $(“~5, JKL”).click()
        await $(“~8, TUV”).click()
        const icon = await $(“~backspace”);
        for (let i = 0; i < 2; i++){
            await icon.click()
        }

        await $(“~dail”).click()
        await browser.pause(1000)
        const text = await
    $(“//android.widget.TextView[@resource-id=’android:i
    d/message’]”).getText()
        console.log(text)
        expect(text).toContain(“is not an emergency
    number.”)
        expect(text).toHaveText(`Can’t call. ${number}
    is not an emergency number.`)
    })
})
```

In the wdio.conf.js file:



```
    specs: [
        // ToDo: define location for sp
        "test/specs/calculatorApp.js"
    ],
```

```
> npx wdio
```