Steps:

1. Download : "selenium-server-standalone-2.53.0.jar"
2. Open terminal :
   cd <Folder where selenium-server-standalone-2.53.0.jar file present >
   java -jar 'selenium-server-standalone-2.53.0.jar' -role hub
3. Create First Node1:
   cd <folder path where BB.json present>
   appium --nodeconfig '/Users/anurag/Desktop/BatchFileIos/BB.json' -p 4730 -bp 4731 -U
   172.16.9.54:5555
4. Create second Node 2:
   cd <folder path where SamsungTab.json present >
   appium --nodeconfig '/Users/anurag/Desktop/BatchFileIos/SamsungTab.json' -p 4725
   -bp 4726 -U 172.16.9.62:5555
5. Create third node 3 like iOS:
   cd <folder path where ios.json is present>
   appium --nodeconfig '/Users/anurag/Desktop/BatchFileIos/ios.json' -p 4723 -bp 4724 -U
   a969b2ad0c47541ba61bdf1fc28b9ddd58b2c985
6. Now Go to Testng.xml and run project.

Note : if you want to create executable file in mac steps:

1. File save in any name
2. Then open terminal
3. Cd <folder where file present>
   Chmod +x "file name"
4. Then automatic file convert in executable format.

BB.json:

```json
{
  "capabilities": [
    {
      "applicationName": "Device_1",
      "deviceName":"172.16.9.54:5555",
      "version":"6.0",
      "browserName": "BlackBerry",
      "platformName": "ANDROID",
      "maxInstances": 1
    }
  ],
  "configuration": {
    "cleanUpCycle": 2000,
    "timeout": 30000,
```

```json
        "proxy": "org.openqa.grid.selenium.proxy.DefaultRemoteProxy",
         "url":"http://0.0.0.0:4730/wd/hub",
        "host": "0.0.0.0",
        "port": 4730,
        "maxSession": 1,
        "register": true,
        "registerCycle": 5000,
        "hubPort": 4444,
        "hubHost": "172.16.15.9"
    }
}
```

----

samsungTab.json

```json
{
    "capabilities": [
        {
            "applicationName": "SamsungTab_device_Test",
             "deviceName":"172.16.9.62:5555",
             "version":"6.0",
            "browserName": "SamsungTab",
            "platformName": "ANDROID",
            "maxInstances": 1
        }
    ],
    "configuration": {
        "cleanUpCycle": 2000,
        "timeout": 30000,
        "proxy": "org.openqa.grid.selenium.proxy.DefaultRemoteProxy",
         "url":"http://0.0.0.0:4725/wd/hub",
        "host": "0.0.0.0",
        "port": 4725,
        "maxSession": 1,
        "register": true,
        "registerCycle": 5000,
        "hubPort": 4444,
        "hubHost": "172.16.15.9"
    }
}
```

Ios.json

```json
{
    "capabilities": [
        {
            "applicationName": "iOS",
            "deviceName":"a969b2ad0c47541ba61bdf1fc28b9ddd58b2c985",
            "version":"11.0",
            "browserName": "IOS",
            "platformName": "IOS",
            "maxInstances": 1
        }
    ],
    "configuration": {
        "cleanUpCycle": 2000,
        "timeout": 30000,
        "proxy": "org.openqa.grid.selenium.proxy.DefaultRemoteProxy",
        "url":"http://0.0.0.0:4723/wd/hub",
        "host": "0.0.0.0",
        "port": 4723,
        "maxSession": 1,
        "register": true,
        "registerCycle": 5000,
        "hubPort": 4444,
        "hubHost": "172.16.15.9"
    }
}
```

Testng.xml:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<!-- <suite name="AppypiePagesSuite" parallel="tests" thread-count="2">  -->
  <suite name="Parallel Tests" verbose="1" thread-count="3" parallel="tests">
 <!--    <listeners>
                <listener class-name="com.appypie.util.AnnotationTransformer" />
                </listeners>   -->

        <test name="Android1">
            <parameter name="port" value="4725" />
            <parameter name="device" value="172.16.9.62:5555" />
            <parameter name="version" value="6.0" />
```

```xml
                <parameter name="name" value="Android1" />
                <parameter name="apk" value="/Users/anurag/Downloads/Testing APK and IPA
and APP/f5f8fe48830e.apk" />
                <classes>
                        <class name="com.appypie.tests.AndroidAppiumHotelPageTest">
                                <methods>
                                        <!--  <include name="verifyCouponDirectoryBookmarks" />
-->
                                </methods>
                        </class>
                </classes>
        </test>

            <test name="Android2">
                <parameter name="port" value="4730" />
                <parameter name="device" value="172.16.9.54:5555" />
                <parameter name="version" value="6.0" />
                <parameter name="name" value="Android2" />
                <parameter name="apk" value="/Users/anurag/Downloads/Testing APK and IPA
and APP/f5f8fe48830e.apk" />
                <classes>
                        <class name="com.appypie.tests.AndroidAppiumHotelPageTest">
                                <methods>
                                        <!--  <include name="verifyCouponDirectoryBookmarks" />
-->
                                </methods>
                        </class>
                </classes>
        </test>



<!-- ========IOS==================================== -->
        <test name="iPhone">
                <parameter name="port" value="4723" />
                <parameter name="device" value="iPhone 7" />
                <parameter name="version" value="11.2" />
                <parameter name="name" value="iPhone" />
                <parameter name="apk" value="/Users/anurag/Downloads/Testing APK and IPA
and APP/CreatedApp.ipa" />
                <classes>
                        <class name="com.appypie.tests.AndroidAppiumHotelPageTest">
                                <methods>
```

```xml
                    <!--  <include name="verifyCouponDirectoryBookmarks" />    -->
                </methods>
            </class>
        </classes>
    </test>
</suite>
```