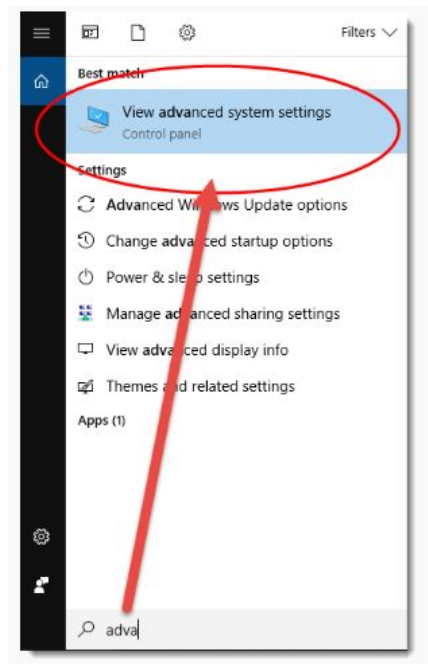# JE Mapping - Automation

Configuring Device and Running Script
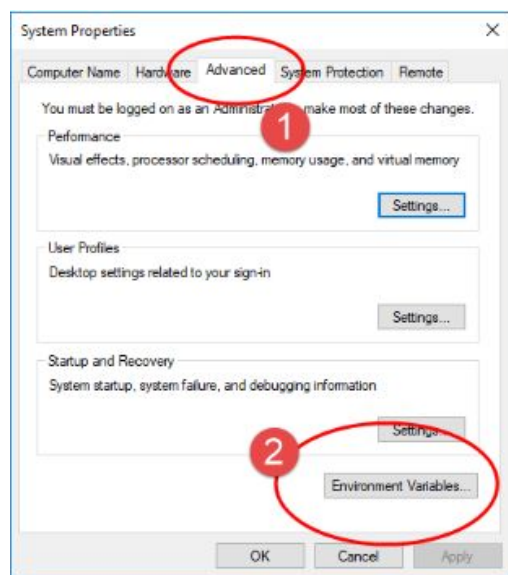
Device configuring

1. **Install Java 8**
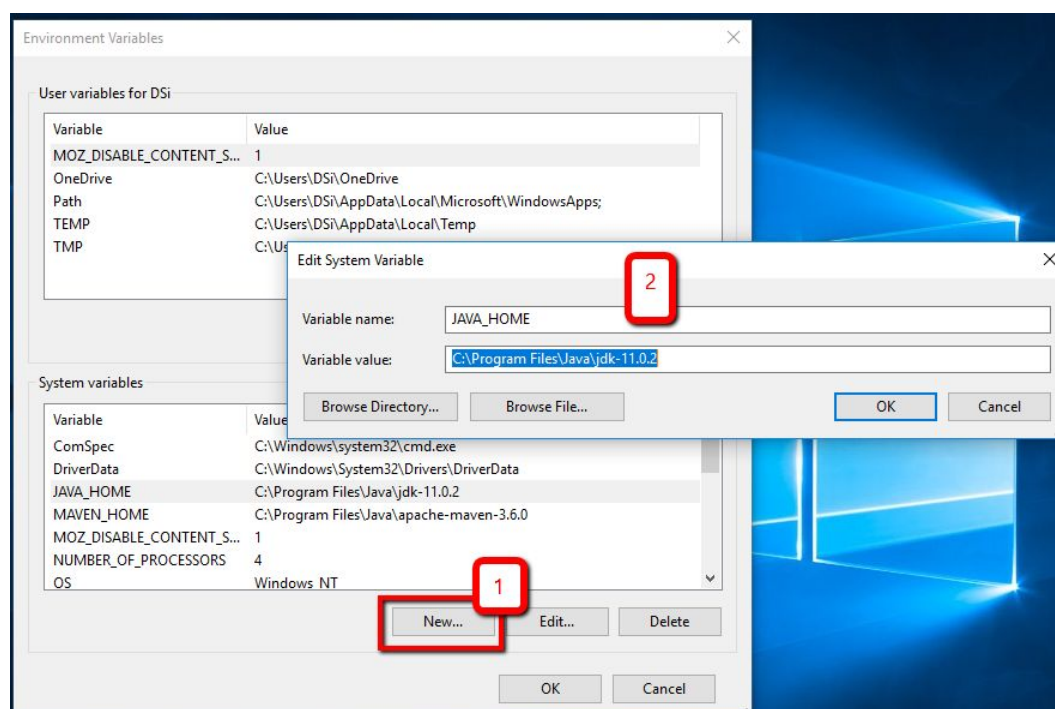   a. Download JDK from <u>JDK Download Link</u> and install it
    b. Configure JAVA_HOME variable:
        i. Press Windows key, type advanced and clicks on the View advanced system settings

        ii. In System Properties dialog, select Advanced tab and clicks on the Environment Variables button.

        iii. In "Environment variables" dialog, System variables, Clicks on the New button and add a JAVA_HOME

2. Install Maven
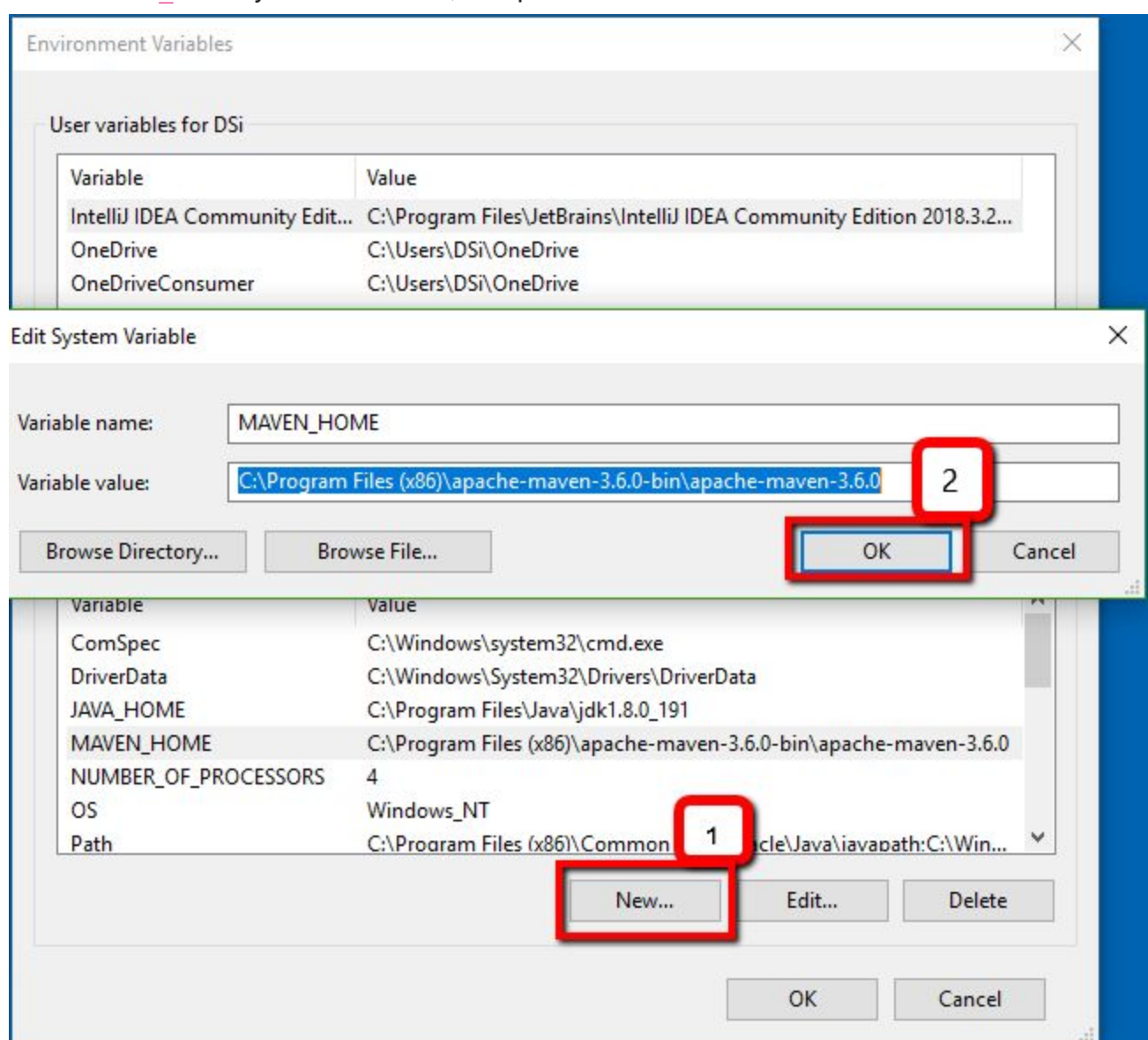   **a.** Download:
        i. Visit <u>Maven official website</u>, download the Maven zip file, for example : `apache-maven-3.6.0-bin.zip`.

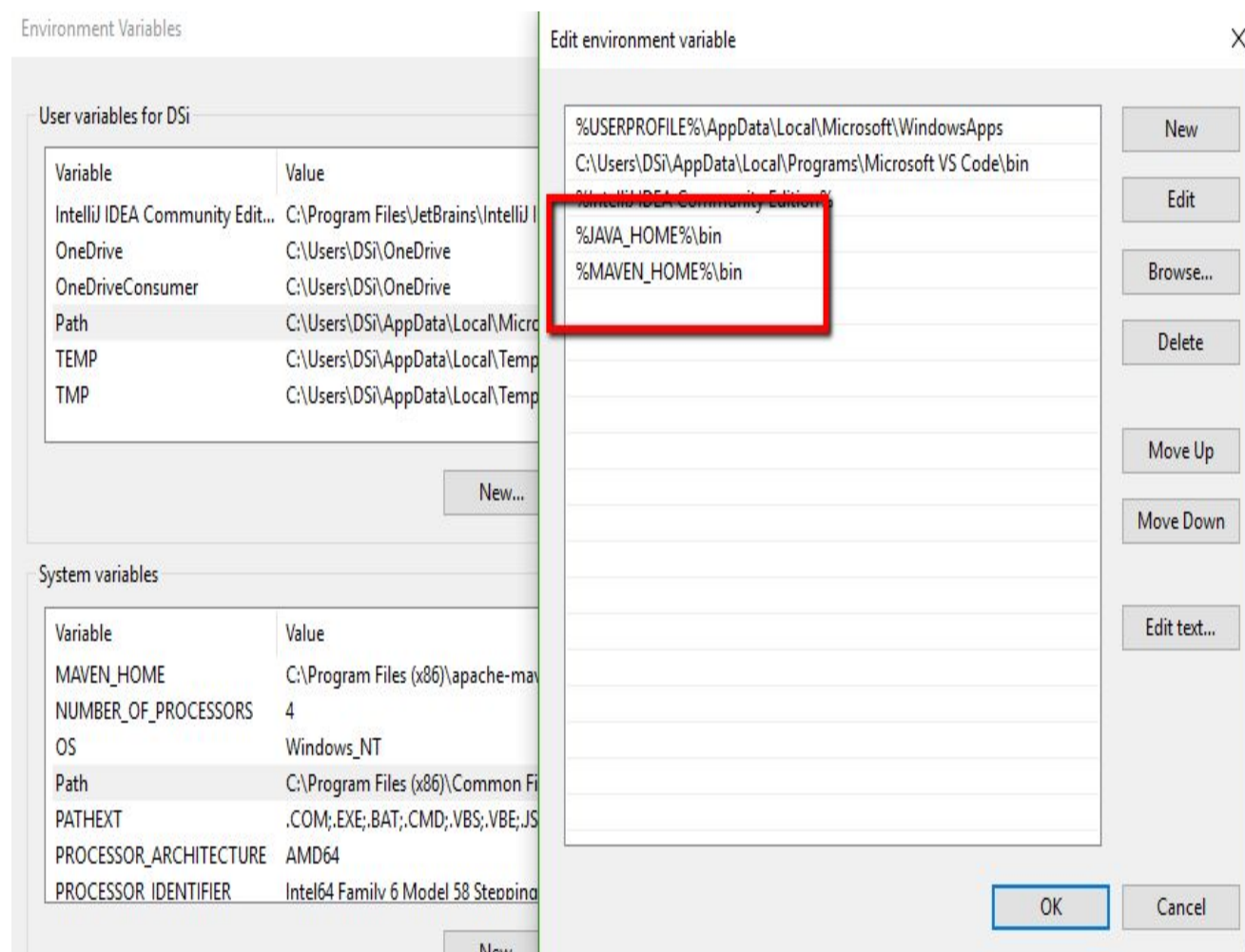|	Link
Binary tar.gz archive	apache-maven-3.6.0-bin.tar.gz
Binary zip archive	apache-maven-3.6.0-bin.zip
Source tar.gz archive	apache-maven-3.6.0-src.tar.gz
Source zip archive	apache-maven-3.6.0-src.zip

        ii. Unzip it to a folder. In this article, we are using `c:\opt\apache-maven-3.6.0`
            Note: That's all, Just download and unzip, installation is not required.

    b. Configure MAVEN_HOME variable and set the path:
        i. Add a `MAVEN_HOME` system variables, and point it to the Maven folder.

Environment Variables   ✕

User variables for DSi

Variable	Value
IntelliJ IDEA Community Edit...	C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2018.3.2...
OneDrive	C:\Users\DSi\OneDrive
OneDriveConsumer	C:\Users\DSi\OneDrive

Edit System Variable   ✕

Variable name: MAVEN_HOME

Variable value: C:\Program Files (x86)\apache-maven-3.6.0-bin\apache-maven-3.6.0   **2**

Browse Directory...   Browse File...   OK   Cancel

Variable	Value
ComSpec	C:\Windows\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
JAVA_HOME	C:\Program Files\Java\jdk1.8.0_191
MAVEN_HOME	C:\Program Files (x86)\apache-maven-3.6.0-bin\apache-maven-3.6.0
NUMBER_OF_PROCESSORS	4
OS	Windows_NT
Path	C:\Program Files (x86)\Common... **1** ...cle\Java\javapath;C:\Win...

New...   Edit...   Delete

OK   Cancel

ii. In system variables, find `PATH`, clicks on the `Edit...` button. In "Edit environment variable" dialog, clicks on the `New` button and add this `%MAVEN_HOME%\bin`

c. Verification

i. Done, start a new command prompt, type `mvn –version` :

```
C:\Users\mkyong>mvn -version
Apache Maven 3.6.0 (97c98ec64a1fdfee7767ce5ffb20918da4f719f3; 2018-10-25T02:41:47+08:00)
Maven home: C:\opt\apache-maven-3.6.0\bin\..
Java version: 10.0.1, vendor: Oracle Corporation, runtime: C:\opt\Java\jdk-10
Default locale: en_MY, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

C:\Users\mkyong>echo %MAVEN_HOME%
C:\opt\apache-maven-3.6.0
```

The Apache Maven is installed successfully on Windows.

d. FAQs

i. 'mvn' is not recognized as an internal or external command?

```
> mvn -version
'mvn' is not recognized as an internal or external command,
operable program or batch file.
```

Answer: Make sure the `%MAVEN_HOME%\bin` is added to the `PATH` system variable.

ii. The JAVA_HOME environment variable is not defined correctly.

```
> mvn -version
The JAVA_HOME environment variable is not defined correctly
This environment variable is needed to run this program
NB: JAVA_HOME should point to a JDK not a JRE
```

Answer: Make sure JDK is installed and the `JAVA_HOME` system variable is configured.
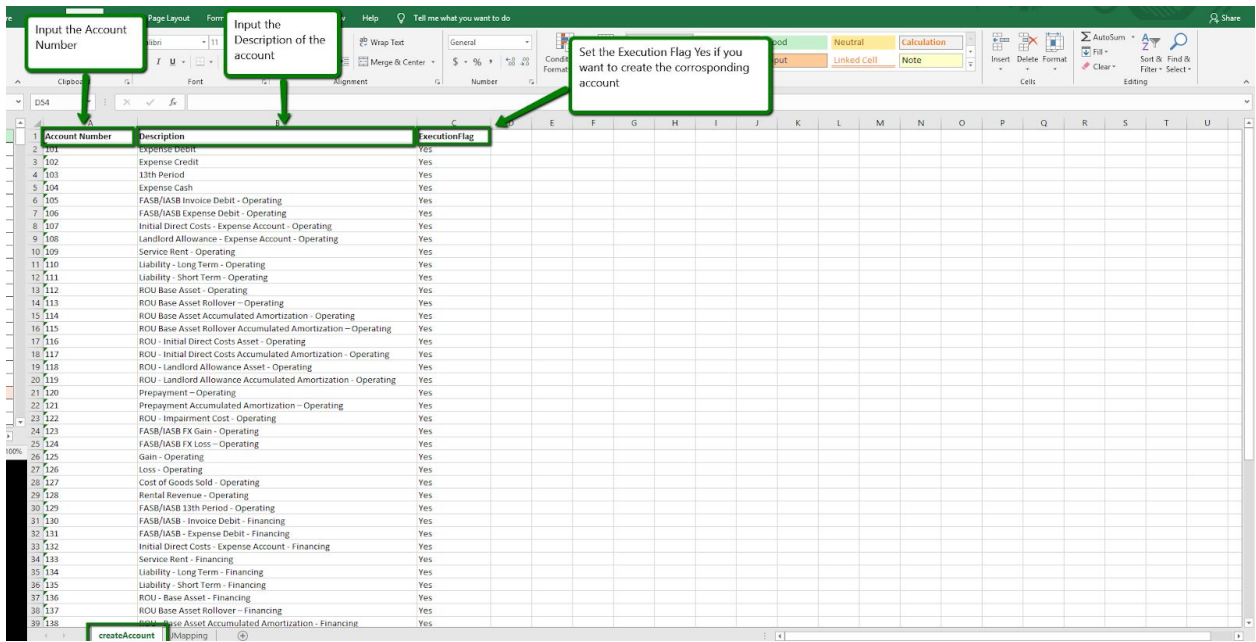
iii.

Run Application

After configuring the device first you need to clone the application source using the following command in git bash:
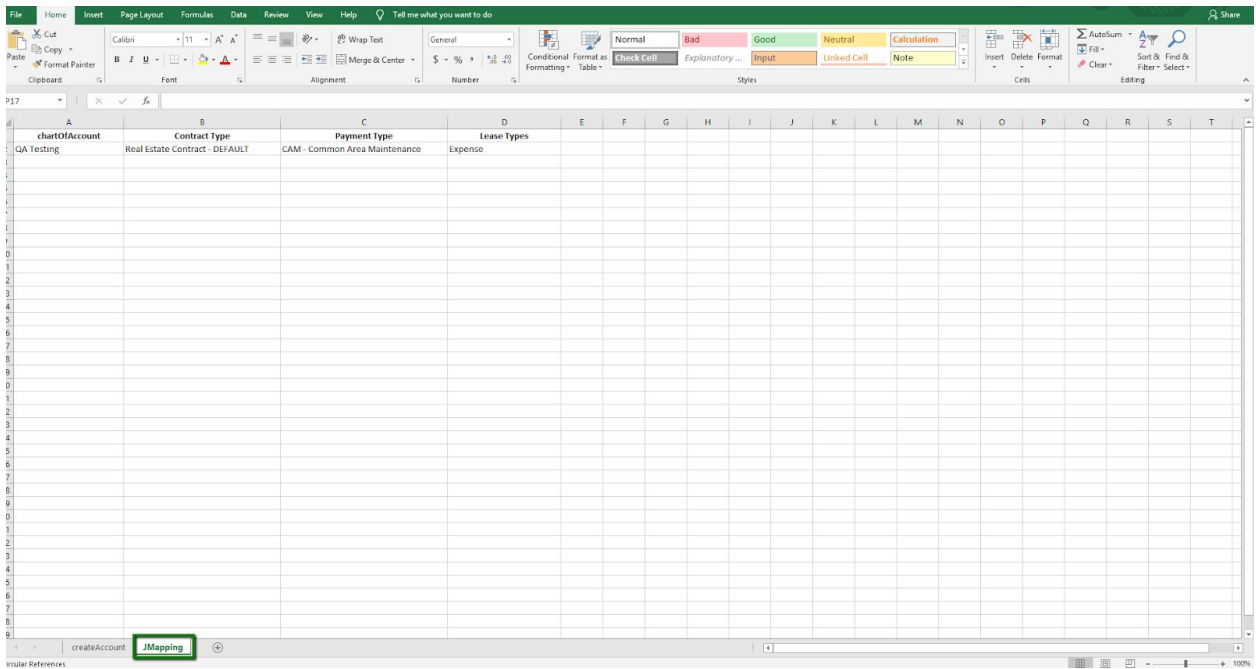
git clone https://github.com/shahriarkamal-dsi/AMT-TestFrameWork

After completing the clone navigate to the \src\main\resources\dataCreate folder and open the AccountcreateJmapping.xlsx file. Fill the file with proper value that are required to complete JEMapping.

Fill the Account Number, Description and Execution Flag in the "createAccount" sheet like the above picture. Set "Execution Flag" to "Yes" if you want to create the corresponding account.

Fill the chartOfAccount column with an existing Chart of Account and fill the other columns value in the JMapping sheet like the above picture.

Now write the following command in the bash:

cd seleniumTestingFramework/

```
DSi@DESKTOP-SOTQ4UI MINGW64 ~/Desktop
$ cd seleniumTestingFramework/

DSi@DESKTOP-SOTQ4UI MINGW64 ~/Desktop/seleniumTestingFramework (master)
$
```

Again write the following command in the bash to run script:

Basic: mvn test -Dtest=Script_File_name test (To run script)

-> mvn test -Dtest=JMapping test (For running JEMapping test script)

```
DSi@DESKTOP-SOTQ4UI MINGW64 ~/Desktop/seleniumTestingFramework (master)
$ mvn test -Dtest=JMapping test
[INFO] Scanning for projects...
[INFO]
[INFO] ----------------------------< test:test >----------------------------
[INFO] Building test 1.0-SNAPSHOT
[INFO] --------------------------------[ jar ]--------------------------------
```