**Converting the project to TestNG:**

In order to have TestNG implemented in our project first we need to have @Test annotations. Also we need to change the main method as main method is not needed when we use TestNG. So change the main method to startExecution as shown below and provide TestNG annotation.

@Test

**public** **void** startExecution() **throws** Exception{

// public static void main(String[] args) throws IOException, ClassNotFoundException, NoSuchMethodException, SecurityException, IllegalAccessException, IllegalArgumentException, InvocationTargetException, InstantiationException, InterruptedException {

excelUtilities eu = **new** excelUtilities();

Properties gldata = **new** Properties();

InputStream input = **new** FileInputStream("src/executionEngine/config.properties");

gldata.load(input);

List<List<String>> testcases = **new** ArrayList<List<String>>();

testcases = eu.getTestCases(gldata.getProperty("WB\_PATH\_TESTS"), gldata.getProperty("WB\_PATH\_TESTS\_SHEET"));

System.***out***.println(testcases);

DriverScript.*prepareKeywords*(testcases);

}

Now right click on the project and go to TestNG and click on Convert to TestNG.

An xml file with name testng.xml will be created and the xml should show the DriverScript.java included.

**testing.xml:**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">

<suite name=*"Suite"*>

<test thread-count=*"5"* name=*"Test"*>

<classes>

<class name=*"executionEngine.DriverScript"*/>

</classes>

</test> <!-- Test -->

</suite> <!-- Suite -->

Now if you right click on the testing.xml and run as “TestNG Suite” it will run the test.

But here again the TestNG considers it as one test case and if one test fails the whole execution stops.

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Suite

Total tests run: 1, Failures: 1, Skips: 0

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So, we need to make TestNG to consider each and every test as a separate one. We have to use DataProvider for that. We will see it in the next video.