SOFTWARE TESTING

TEST COMPLETE TOOLS

SUBMITTED BY,

KARTHIKEYAN S (2019272015)

Introduction

- ✓ TestComplete, developed by SmartBear Software, offers support to a wide range of technologies such as .Net, Delphi, C++Builder, Java, Visual Basic, HTML5, Flash, Flex, Silverlight Desktop, The Web and Mobile systems.
- ✓ TestComplete helps testers develop their test cases in various scripting languages like JavaScript, Python, VBScript, Delphi Script. It is available with two licenses and a free trial version valid for 30 days.

Why use this tool?

TestComplete offers a wide range of test automation capabilities. Some of them are listed below

- **Keyword Testing:** Using the built-in keyword driven test editor testers can develop Keyword driven frameworks with ease
- **Scripted Testing**: Testers can write test scripts from scratch or modify recorded ones in a built-in editor
- **Test Record and Playback**: Provides the basic mechanism of record and playback for test creation. The recorded test cases can be modified as needed
- **Integration to Bug Tracking Software**: Integrates with various bug tracking software such as jira, Bugzilla, etc. It can be used to modify or create items in bug tracking software using issue tracking template
- **Data Driven Testing:** Easy data extraction from CSV files, database tables, Excel sheets, etc.
- **Test Visualizer:** Captures screenshots during test execution allowing us to differentiate between expected and actual screens.

- TestComplete recognizes objects and controls in tested applications and offers special commands for simulating user actions with them. It also offers specific checkpoints that let you easily verify the application state during the test run.
- If the built-in means are insufficient for simulating user actions on the tested application or checking the application state, you can take advantage of accessing the application's internal objects, methods and properties to perform the needed tasks.

Installation of TestComplete

Download
Download TestComplete Free Trial | SmartBear
    TestComplete can be downloaded from the official SmartBear .
    After downloading, follow the steps to install TestComplete
1) Double-click on the downloaded TestComplete setup package. Installation of the software will start and license agreements will be displayed.
2) Specify the path of the folder where you want to install the software.
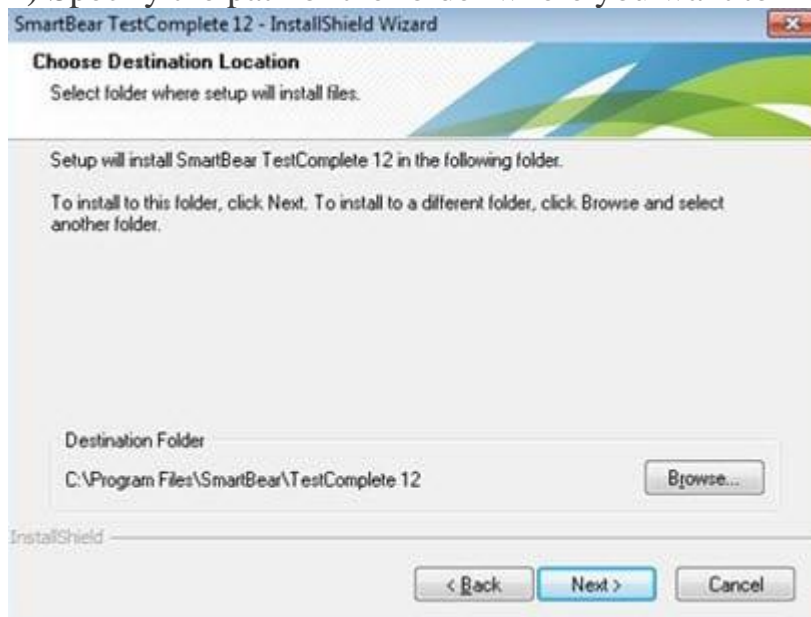
3) Now, a welcome dialog is displayed asking to activate a license, we can start by clicking a 30-day trial license.

4) After this process restarts the computer, we are finished the process of installing TestComplete.
Creating your first project in TestComplete
Launch the application and you will see the start page.

Demo application:

Desktop application using calculator.

Step:1
 Create new project.
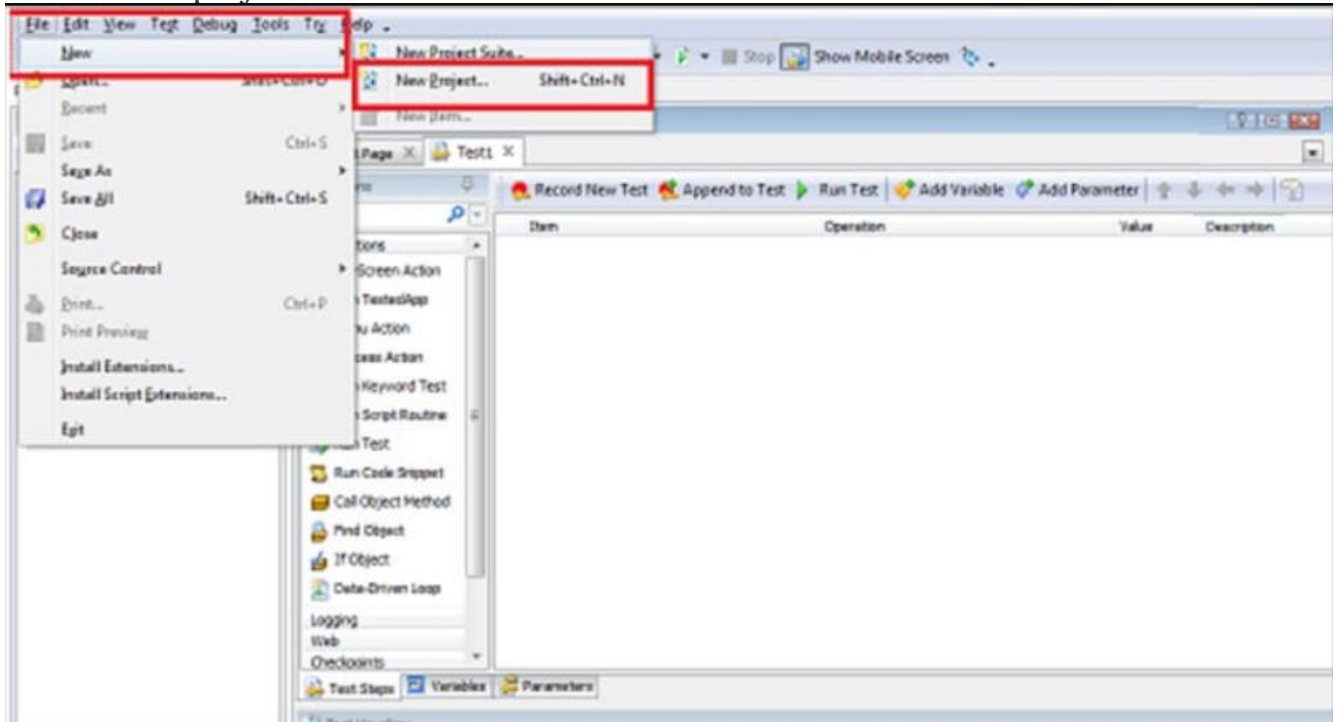
Follow these steps to create a new project.
1) Go to File menu.
2) Click New option from the menu.
3) Click New Project option.

New project file:

2. choose the language:
 You selected tested application desktop   and next.

3.you select application of the file
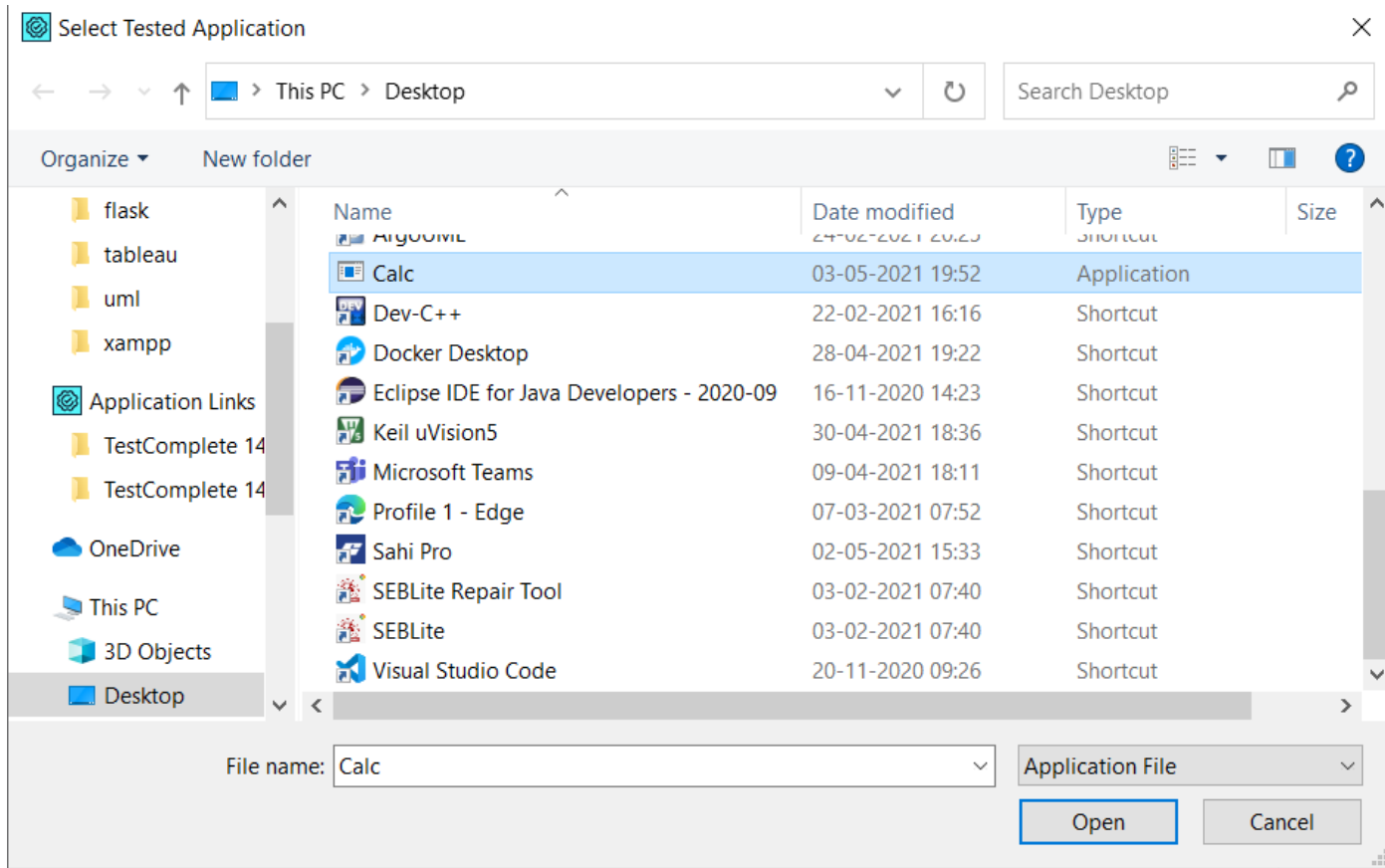
- Using Calculator application used in desktop.
- Change the name of file Calc.
- Select the application Calc.

4.And select folder name:

- Application file calc .exe .
- Working folder name .
- Select the folder on the file and save the application.
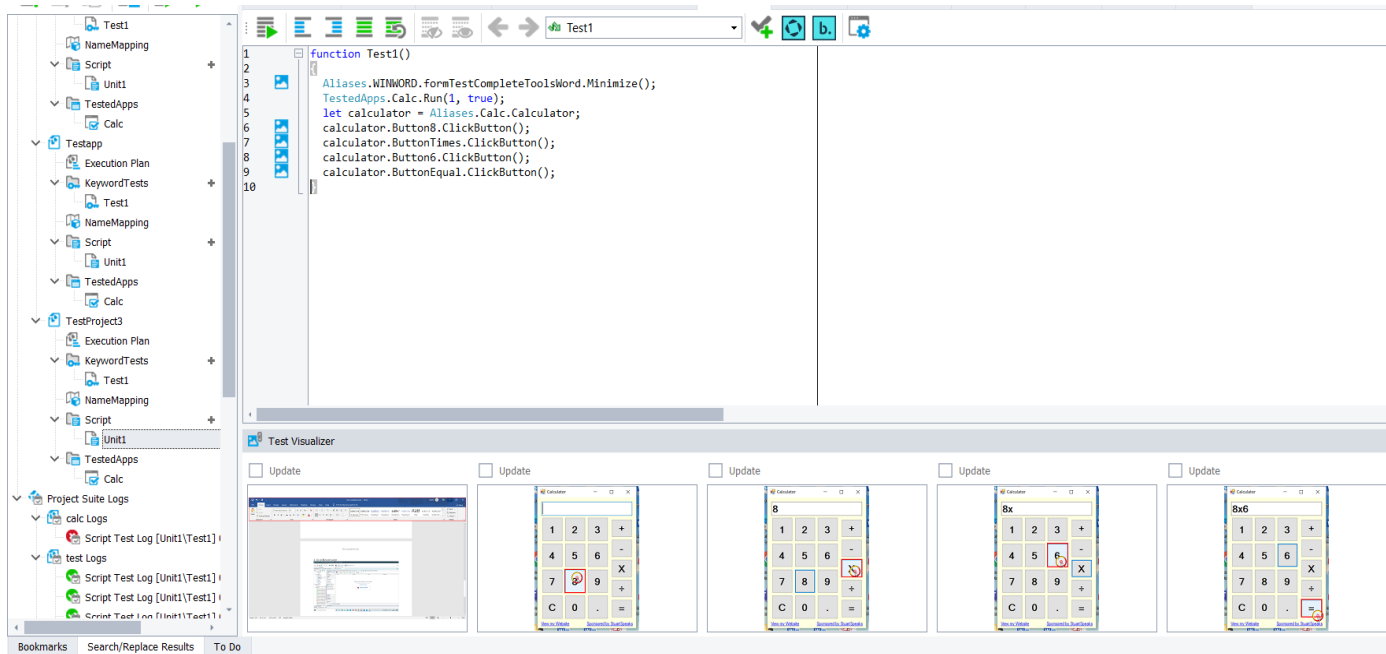- Finish the button.

5. Go to Record script
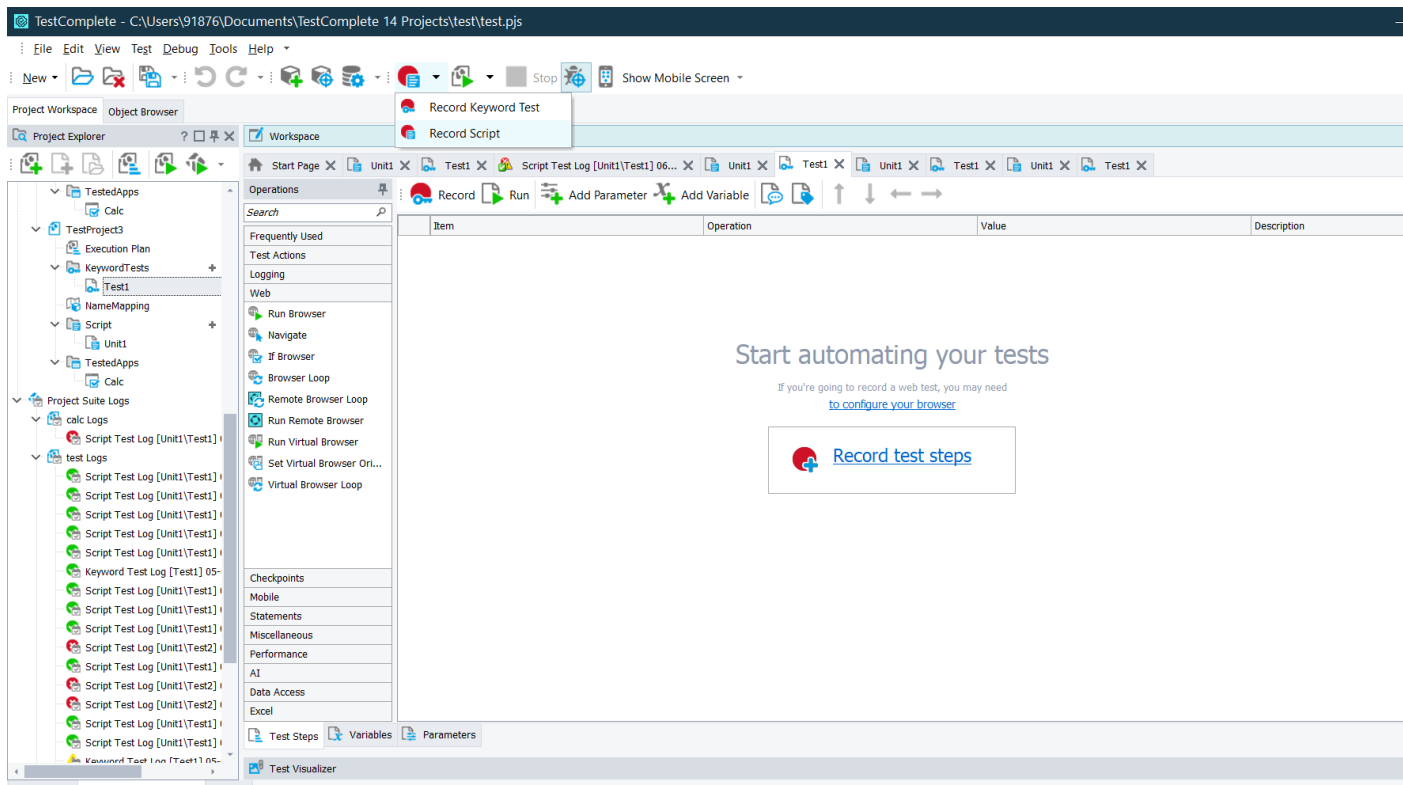
- Record Script using record in the application.

- Record calculator application .
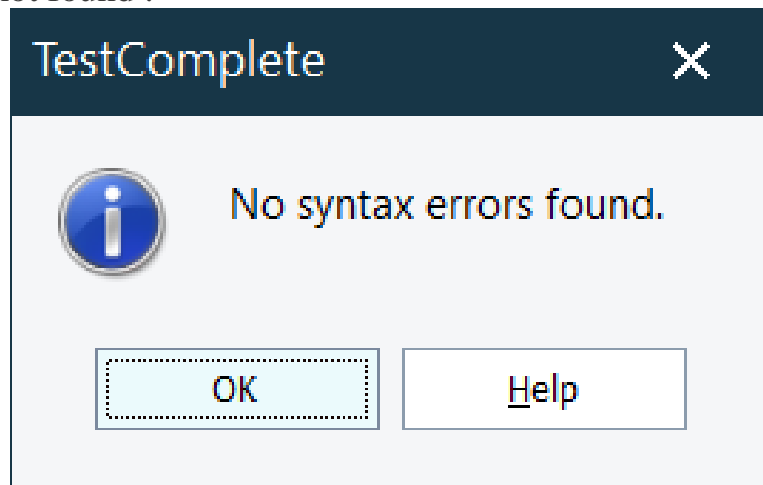
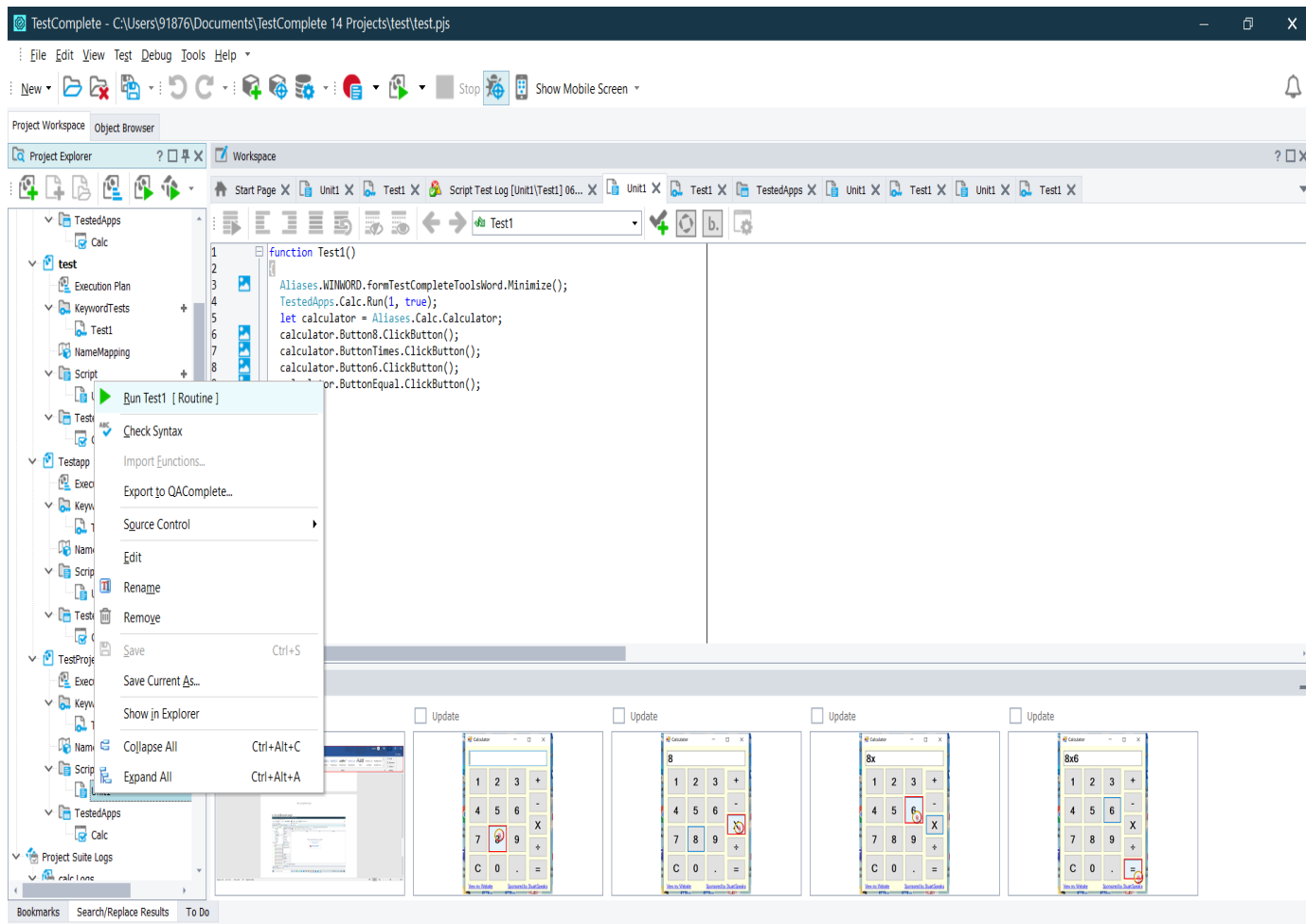- Record the application and stop save and the file

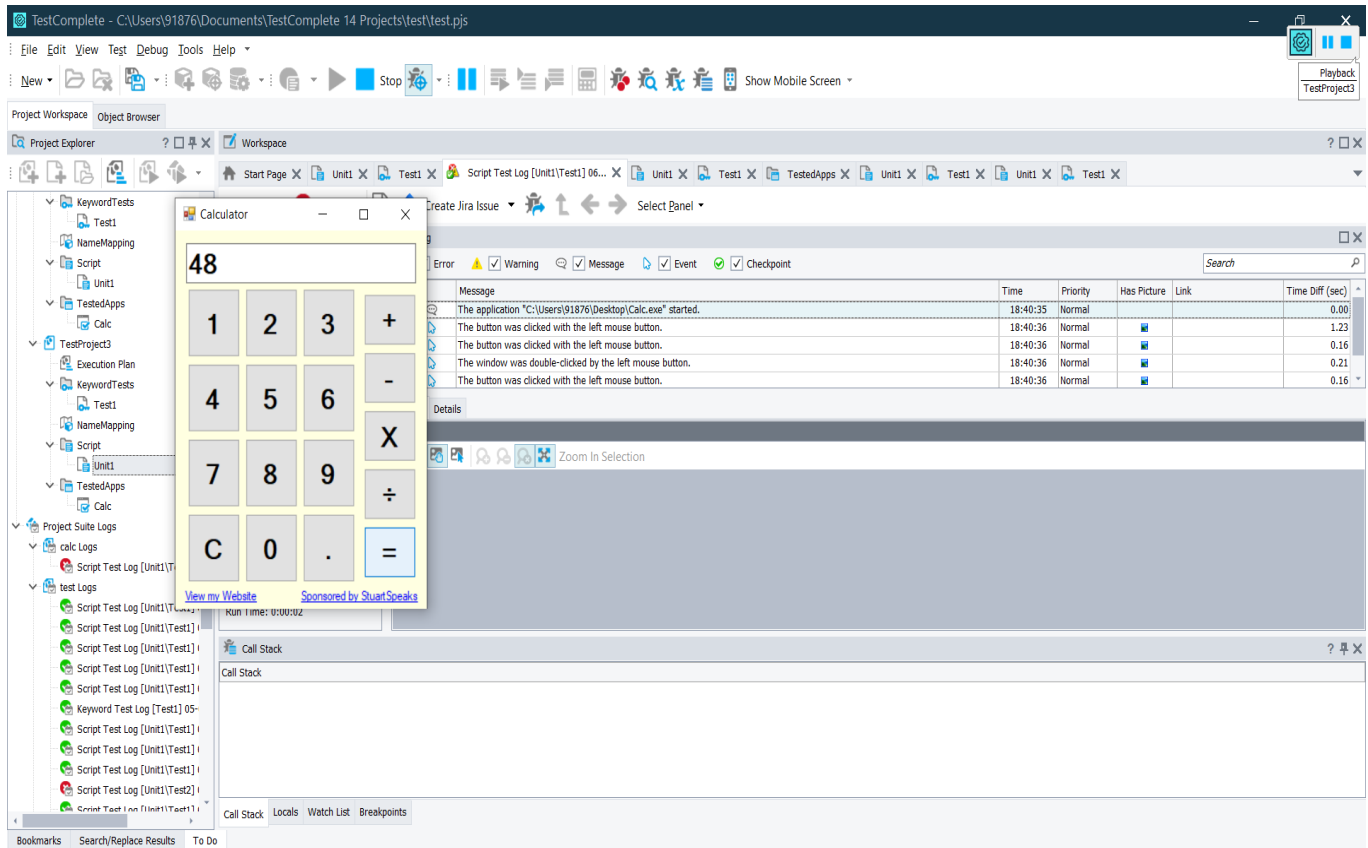## 6.Script the file:(code)

7.Check the syntax:
 Error not found :

8.Script left click and test routine run the program

- Run the program in Run Test1.
- Repeated in checking calculator application
- What are the input given correct or not .

9.Success to run calculator in the program desktop:

- Input given 8 multiply 6 .

- The process run the process.

- Total result. 48.

- Success to run

10.Check point green tick(checkpoint) Success to run