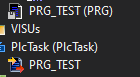
1.Add TcUnit Library



2.Rename the MAIN to PRG\_TEST



3.Create a Folder Test & add move PRG\_TEST to Test Folder



4.Now for Example Create a X FB with X Methods in MyLibrary Folder

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A screenshot of a computer

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5.Now we want to test FB\_Calculator create a FB (Name should end with \_Test) with name as FB\_Calculator\_Test

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6.FB\_Calculator\_Test should EXTENDS FB\_TestSuite

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7.Now add methods which test the FB\_Calculator (Example: only test for 2 conditions)

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8.Call the above methods in FB\_Calculator\_Test

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9.In Methods

a. Instantiates the FB\_Calculator

b. TEST(‘AddOnePlusOneExpectTwo’) (Name should be same as method name

c. Call FB\_ Calculator.Addition(a:=1,b:=1);

d. Then AssertEquals\_LREAL to check expected result & add message it result fails

e. Then add TEST\_FINISHED();

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10.In PRG\_TEST Instantiates the FB\_Calculator\_Test();

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11.In Code area add TcUnit.RUN();



12.Then Run the TwinCAT & check the result in output window

Failed Test

A screen shot of a computer

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Successful Test Result

A screenshot of a computer program

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