**ITEC397 Chapter 03 LABWORK**

1. **Calling a subroutine within another subroutine with and without ‘Call’**

* Create a new module
* Within the module add the following code and bring the cursor on to Sub Main() and press F5 (or click the Run button)

*Sub Main()*

*Call display*

*End Sub*

*Sub display()*

*MsgBox "Hello"*

*End Sub*

* Modify the first subroutine as given below and run it in the same way.

*Sub Main()*

*display*

*End Sub*

*Sub display()*

*MsgBox "Hello"*

*End Sub*

* Run seperately both Main() and display() to see, it can be if they are not having arguments

1. **Calling a subroutine with an argument**

* Modify the previous example as it will be as given below and run it

*Sub Main()*

*display(“ITEC397”)*

*End Sub*

*Sub display(st s String)*

*MsgBox st*

*End Sub*

* Try to run seperately both Main() and display().

1. **User defined Function and the way of calls**

* Write the following code into the module-1

*Sub Main()*

*a = Multiply(3, 5)*

*MsgBox a*

*End Sub*

*Function Multiply(a As Integer, b As Integer)*

*Multiply = a \* b*

*End Function*

* Run the subroutine Main()
* On the Excel sheet, go to the cell A1 and write the formula =Multiply(4,5)

1. **The use of Optional parameters with functions**

* Write thee given code into themodule-1 and run the Main() subroutine

*Sub Main()*

*a = St\_Name("Cem", "Yagli")*

*MsgBox a*

*End Sub*

*Function St\_Name(name As String, Optional surname As String)*

*St\_Name = name & " " & surname*

*End Function*

* Modify the program as the second line will be as

*a = St\_Name("Cem")*

* Run the Main() and see the effect of the Option parameter