

### COMPUTER PROGRAMMING

#### **FUNCTIONS - Exercise**

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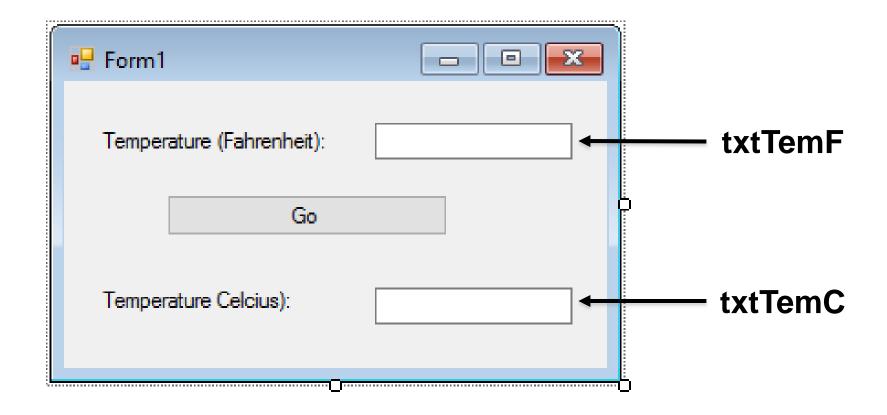
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Communitising Technology

### Exercise 25 – Function (Form)



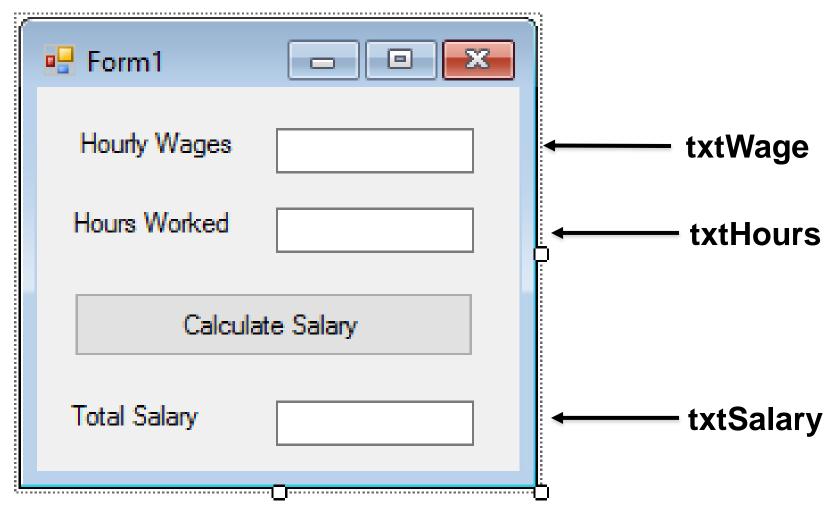
### Exercise 25 – Function (Code)

```
Private Sub btnGo Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
btnGo.Click
        Dim fahrenheitTemp, celsiusTemp As Double
        fahrenheitTemp = CDbl(txtTemF.Text)
        celsiusTemp = FtoC(fahrenheitTemp)
        txtTemC.Text = CStr(celsiusTemp)
    End Sub
    Function FtoC(ByVal t As Double) As Double
        Return (5 / 9) * (t - 32)
    End Function
```

## **Exercise 25 – Function (Output)**

Form¹	_	×
Temperature (Fahrenheit):	212	
Go		
Temperature Celcius):	100	

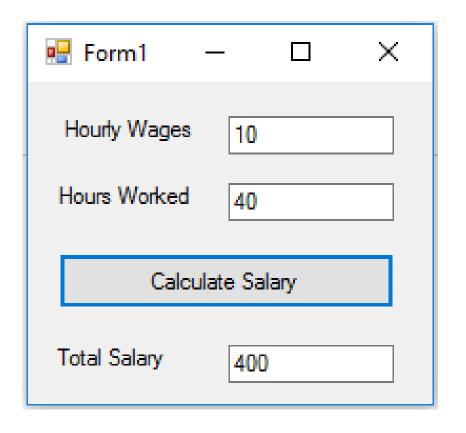
# Exercise 26 – Function Having Several Parameters (Form)



# Exercise 26 – Function Having Several Parameters (Code)

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System. EventArgs) Handles Button1.Click
        Dim hourlyWage, hoursWorked As Decimal
        hourlyWage = CDec(txtWage.Text)
        hoursWorked = CDec(txtHours.Text)
        txtSalary.Text = (Pay(hourlyWage, hoursWorked))
   End Sub
   Function Pay(ByVal wage As Decimal, ByVal hrs As Decimal) As Decimal
        Dim amt As Decimal 'amount of salary
        Select Case hrs
            Case Is <=40
                amt = wage * hrs
            Case Is > 40
                amt = (wage * 40) + (1.5D * wage * (hrs - 40))
        End Select
        Return amt
```

# Exercise 26 – Function Having Several Parameters (Output)



₽ Form1 -	– 🗆 X	
Hourly Wages	10	
Hours Worked	45	
Calculate Salary		
Total Salary	475.0	

No overtime work

**Overtime work**