Solutions Lab-session 5

1)   a) Function Stir(n)

        Stir = n * Log(n) - n

    End Function

  b) $\ln(100!) = 363.7393756$, Stir(100) = 360.5170186 $\rightarrow 99.11\%$

2)   a) Function sinapp(x)

        sinapp = x - x ˆ3 / 6

    End Function

  b) $\sin(0.1) = 0.099833417$, sinapp(0.1) = 0.099833333 $\rightarrow 99.99991655\%$

3) Function celsius(Fa)

  celsius = (Fa - 32) * 5 / 9

End Function

Fa(90)$\rightarrow$32.22

4) Function logi(x,y)

  logi = Application.WorksheetFunction.AND($x > 0, y > 0$)

End Function

5) Function addst(x As String, y As String, z As String) As String

    addst = x & " " & y & " " & z

End Function

Here the " " are there to ensure that a space between words is left when the function is used.