

Solution Lab-session 6

1) Function f(x)

```
Select Case x
    Case Is < 0: f = -Sin(x)
    Case 0 To 2: f = 2 * x
    Case 2 To 4: f = x ^ 2
    Case Else: f = 16
End Select
```

End Function

2) Function wday(d As Date)

```
Dim x as Integer
x = Weekday(d)
Select Case x
    Case 1: wday = "Sunday"
    Case 2: wday = "Monday"
    Case 3: wday = "Tuesday"
    Case 4: wday = "Wednesday"
    Case 5: wday = "Thursday"
    Case 6: wday = "Friday"
    Case 7: wday = "Saturday"
    Case Else: wday = "Error in weekday!"
End Select
```

End Function

3) Function bmimean(bmin As Single, mf As String) As String

```
Select Case mf
    Case "male"
        Select Case bmin
            Case Is < 20: bmimean = "underweight"
            Case Is < 25: bmimean = "normal weight"
            Case Is < 30: bmimean = "overweight"
            Case Is < 40: bmimean = "obese"
            Case Else: bmimean = "extreme obese"
        End Select
    End Select
```

Case "female"

 Select Case bmin

 Case Is < 19: bmimean = "underweight"

 Case Is < 24: bmimean = "normal weight"

 Case Is < 29: bmimean = "overweight"

 Case Is < 39: bmimean = "obese"

 Case Else: bmimean = "extreme obese"

 End Select

Case Else

 bmimean = "Specify gender!"

End Select

End Function