

Correction TD 3 VBA

Exercice 1

```
Public n_Lignes As Integer
Public n_Colonne As Integer
Public borne As Integer

Sub matriceAleatoire()

n_Lignes = 10
n_Colonne = 10
borne = 100

For i = 1 To n_Lignes Step 1
    For j = 1 To n_Colonne Step 1
        Cells(i, j) = Int(Rnd * borne)
    Next j
Next i
End Sub
```

Exercice 2

```
Sub ColorMatMin()

Min = borne
colonneMin = -1
ligneMin = -1

For i = 1 To n_Lignes Step 1
    For j = 1 To n_Colonne Step 1
        If Cells(i, j).Value < Min Then
            Min = Cells(i, j).Value
            colonneMin = j
            ligneMin = i
        End If
    Next j
Next i

Cells(ligneMin, colonneMin).Select

With Selection.Interior
    .ColorIndex = 8
    .Pattern = xlSolid
End With
End Sub
```

Exercice 3

```
Sub ColorierMaxMatrice()  
  
Max = -1  
colonneMax = -1  
ligneMax = -1  
  
For i = 1 To n_Lignes Step 1  
    For j = 1 To n_Colonne Step 1  
        If Cells(i, j).Value > Max Then  
            Max = Cells(i, j).Value  
            colonneMax = j  
            ligneMax = i  
        End If  
    Next j  
Next i  
  
Cells(ligneMax, colonneMax).Select  
  
With Selection.Interior  
    .ColorIndex = 6  
    .Pattern = xlSolid  
End With  
End Sub
```