

```
1
2 Public Class Form1
3
4     Private Sub subA()
5         Dim con As New OleDb.OleDbConnection
6         Dim com As New OleDb.OleDbCommand
7         Dim tblTemp As New Data.DataTable
8         con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
9         con.Open()
10        com.Connection = con
11        com.CommandText = "SELECT FullName,Gender FROM tblStudentInfo WHERE Gender='F' and Race='White' "
12        tblTemp.Load(com.ExecuteReader)
13        con.Close()
14        DataGridView1.DataSource = tblTemp
15        lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
16    End Sub
17
18    Private Sub subB()
19        Dim con As New OleDb.OleDbConnection
20        Dim com As New OleDb.OleDbCommand
21        Dim tblTemp As New Data.DataTable
22        con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
23        con.Open()
24        com.Connection = con
25        com.CommandText = "SELECT Area,Count(Gender) AS [Number Female] FROM tblStudentInfo Where Gender=
'F' GROUP BY Area"
26        tblTemp.Load(com.ExecuteReader)
27        con.Close()
28        DataGridView1.DataSource = tblTemp
29        lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
30
31    End Sub
32
33    Private Sub subC()
34        Dim con As New OleDb.OleDbConnection
35        Dim com As New OleDb.OleDbCommand
36        Dim tblTemp As New Data.DataTable
37        con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
38        con.Open()
39        com.Connection = con
40        com.CommandText = "SELECT Top 10 FullName,DateOfBirth,Area FROM tblStudentInfo WHERE DateOfBirth
<= #30 July 1986# "
41        tblTemp.Load(com.ExecuteReader)
42        con.Close()
43        DataGridView1.DataSource = tblTemp
44        lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
45    End Sub
46
47    Private Sub subD()
48        Dim con As New OleDb.OleDbConnection
49        Dim com As New OleDb.OleDbCommand
50        Dim tblTemp As New Data.DataTable
51        con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
52        con.Open()
53        com.Connection = con
54        com.CommandText = "SELECT FullName,Area,Qualifications,Race FROM tblStudentInfo WHERE Race IN(
'INDIAN','AFRICAN') "
55        tblTemp.Load(com.ExecuteReader)
56        con.Close()
57        DataGridView1.DataSource = tblTemp
58        lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
59    End Sub
60
61    Private Sub subE()
```

```
62 Dim con As New OleDb.OleDbConnection
63 Dim com As New OleDb.OleDbCommand
64 Dim tblTemp As New Data.DataTable
65 con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
66 con.Open()
67 com.Connection = con
68 com.CommandText = "SELECT DISTINCT Profession FROM tblStudentInfo "
69 tblTemp.Load(com.ExecuteReader)
70 con.Close()
71 DataGridView1.DataSource = tblTemp
72 lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
73 End Sub
74
75 Private Sub subF()
76 Dim con As New OleDb.OleDbConnection
77 Dim com As New OleDb.OleDbCommand
78 Dim tblTemp As New Data.DataTable
79 con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
80 con.Open()
81 com.Connection = con
82 com.CommandText = "SELECT Area,Count(Profession) AS [No of doctors/ Area] FROM tblStudentInfo
WHERE Profession='Doctor' GROUP BY Area "
83 tblTemp.Load(com.ExecuteReader)
84 con.Close()
85 DataGridView1.DataSource = tblTemp
86 lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
87 End Sub
88 Private Sub subG()
89 Dim con As New OleDb.OleDbConnection
90 Dim com As New OleDb.OleDbCommand
91 Dim tblTemp As New Data.DataTable
92 con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
93 con.Open()
94 com.Connection = con
95 com.CommandText = "SELECT FullName FROM tblStudentInfo Where FullName LIKE '%I%'"
96 tblTemp.Load(com.ExecuteReader)
97 con.Close()
98 DataGridView1.DataSource = tblTemp
99 lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
100
101 End Sub
102 Private Sub subH()
103 Dim con As New OleDb.OleDbConnection
104 Dim com As New OleDb.OleDbCommand
105 Dim tblTemp As New Data.DataTable
106 con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
107 con.Open()
108 com.Connection = con
109 com.CommandText = "SELECT TOP 12 FullName,DateOfBirth FROM tblStudentInfo WHERE DateOfBirth > #
10 June 1974# Order by DateofBirth DESC"
110 tblTemp.Load(com.ExecuteReader)
111 con.Close()
112 DataGridView1.DataSource = tblTemp
113 lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
114 End Sub
115
116 Public Sub SubI()
117 Dim con As New OleDb.OleDbConnection
118 Dim com As New OleDb.OleDbCommand
119 Dim tblTemp As New Data.DataTable
120 DataGridView1.Refresh()
121 con.ConnectionString = "Provider=Microsoft.Jet.OleDb.4.0; Data Source=C:\users\Davi d\Desktop\
School Registration.mdb"
122 con.Open()
```

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123     com.Connection = con
124     com.CommandText = "SELECT Student_NO,FullName,Race FROM tblStudentInfo WHERE RACE =@Race"
125     Dim parRace = New OleDb.OleDbParameter("@Race", txtSearch.Text)
126     com.Parameters.Add(parRace)
127     tblTemp.Load(com.ExecuteReader)
128     con.Close()
129     DataGridView1.DataSource = tblTemp
130     lblNoRecords.Text = "No of records :" & DataGridView1.RowCount
131 End Sub
132
133 Private Sub btnExit_Click(sender As System.Object, e As System.EventArgs) Handles btnExit.Click
134     'Close the application
135     Me.Close()
136 End Sub
137
138 Private Sub btnD_Click(sender As System.Object, e As System.EventArgs) Handles btnD.Click
139     Call subD()
140 End Sub
141
142 Private Sub btnA_Click(sender As System.Object, e As System.EventArgs) Handles btnA.Click
143     Call subA()
144 End Sub
145
146 Private Sub btnB_Click(sender As System.Object, e As System.EventArgs) Handles btnB.Click
147     Call subB()
148 End Sub
149
150 Private Sub btnC_Click(sender As System.Object, e As System.EventArgs) Handles btnC.Click
151     '
152     Call subC()
153 End Sub
154
155 Private Sub btnE_Click(sender As System.Object, e As System.EventArgs) Handles btnE.Click
156     Call subE()
157 End Sub
158
159 Private Sub btnF_Click(sender As System.Object, e As System.EventArgs) Handles btnF.Click
160     Call subF()
161 End Sub
162
163 Private Sub btnG_Click(sender As System.Object, e As System.EventArgs) Handles btnG.Click
164     Call subG()
165 End Sub
166 Private Sub btnH_Click(sender As System.Object, e As System.EventArgs) Handles btnH.Click
167     Call subH()
168 End Sub
169
170 Private Sub btnSearch_Click(sender As System.Object, e As System.EventArgs) Handles btnSearch.Click
171     Dim tblTemp As New Data.DataTable
172     Call SubI()
173     txtSearch.Clear()
174     txtSearch.Focus()
175 End Sub
176 End Class
177
```