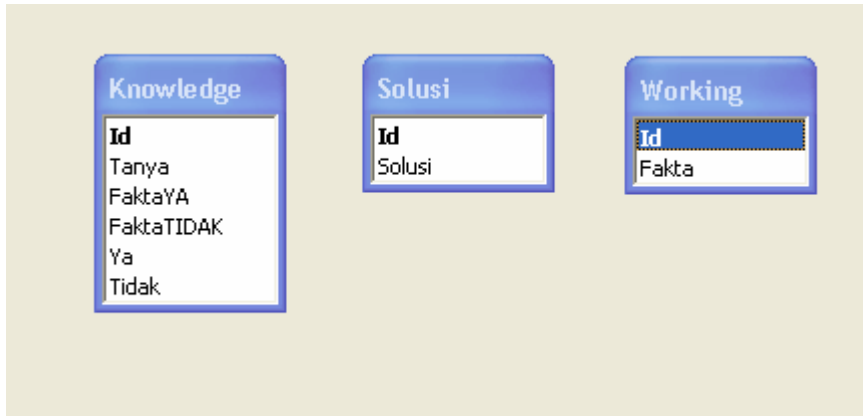


Membuat Program Sistem Pakar Sederhana

1. Buat database dengan struktur seperti berikut :



2. Isikan data masing-masing sesuai dengan knowledge tentang karakteristik hewan yang dibahas di kelas/teori.
3. Setelah selesai dari Access, buka VB dan rancang form seperti berikut :

Form 1 : FrmUtama

The screenshot shows a Windows form titled "Form Utama". The form contains the text "Prototype Sistem Pakar Sederhana" and two buttons: "Diagnosa" and "Edit Knowledge".

Form2 : FrmDiagnosa

The screenshot shows a Windows form titled "Diagnosa". The form contains a label "Label1" and three buttons: "Ya", "Tidak", and "Selesai".

Form3 : FrmEditKnowledge

The 'Editing Knowledge' form is divided into two main sections. The top section is titled 'Fakta and Rule' and contains a table with a single row and three columns. The first cell of this row contains an asterisk (*). To the right of the table is a large, empty text area. The bottom section is titled 'Solusi' and also contains a table with a single row and three columns, with an asterisk (*) in the first cell. To its right is another large, empty text area. At the bottom right of the form, there is a 'Close' button.

Form4 : FrmSolusi

The 'Solusi' form is simple, featuring a 'Label1' at the top. At the bottom, there are two buttons: 'Alasan' and 'Selesai'.

Form5 : FrmPenjelasan

The 'Penjelasan' form displays the text 'Oleh karena :' followed by 'Label2'.

4. Buat modul dan ketikkan kode program berikut :

```
Public cn As New ADODB.Connection
Public rsKnowledge As New ADODB.Recordset
Public rsSolusi As New ADODB.Recordset
Public rsWorking As New ADODB.Recordset

Public Sub bukadatabase()
cn.Open "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" + App.Path + "\Pakar1.mdb;Persist
Security Info=False"
rsKnowledge.Open "select * from knowledge", cn, adOpenDynamic, adLockOptimistic
rsSolusi.Open "select * from Solusi", cn, adOpenDynamic, adLockOptimistic
rsWorking.Open "select * from working", cn, adOpenDynamic, adLockOptimistic
End Sub

Public Sub Tutupdatabase()
rsKnowledge.Close
rsSolusi.Close
rsWorking.Close
cn.Close
End Sub
```

5. Ketikkan dan pelajari kode program untuk form-form seperti berikut :

Kode program pada Form1 :

```
Private Sub Command1_Click()
FrmDiagnosa.Show vbModal
End Sub

Private Sub Command2_Click()
FrmEditKnowlwdge.Show vbModal
End Sub

Private Sub Form_Load()
bukadatabase
End Sub

Private Sub Form_Unload(Cancel As Integer)
Tutupdatabase
Unload Me
End
End Sub
```

Kode program pada Form2 :

```
Private Sub Command1_Click()
On Error Resume Next

rsWorking.AddNew
rsWorking!id = rsKnowledge!id
rsWorking!fakta = rsKnowledge!faktaYA
rsWorking.Update
jwb = rsKnowledge!Ya
If Left(jwb, 1) = "T" Then
rsKnowledge.MoveFirst
rsKnowledge.Find " id= " & jwb & " "
Label1.Caption = rsKnowledge!Tanya
Else
rsSolusi.MoveFirst
rsSolusi.Find " id= " & jwb & " "
FrmSolusi.Label1.Caption = rsSolusi!solusi
FrmSolusi.Show vbModal
End If
End Sub

Private Sub Command2_Click()
On Error Resume Next

rsWorking.AddNew
rsWorking!id = rsKnowledge!id
rsWorking!fakta = rsKnowledge!faktaTIDAK
rsWorking.Update

jwb = rsKnowledge!Tidak
If Left(jwb, 1) = "T" Then
rsKnowledge.MoveFirst
rsKnowledge.Find " id= " & jwb & " "
Label1.Caption = rsKnowledge!Tanya
Else
rsSolusi.MoveFirst
rsSolusi.Find " id= " & jwb & " "
FrmSolusi.Label1.Caption = rsSolusi!solusi
FrmSolusi.Show vbModal
End If

End Sub

Private Sub Command3_Click()
Me.Hide
End Sub

Private Sub Form_Activate()
rsKnowledge.MoveFirst
Label1.Caption = rsKnowledge!Tanya
rsWorking.Requery
While Not rsWorking.EOF
rsWorking.Delete
rsWorking.MoveNext
Wend

End Sub
```

```
Private Sub Form_Load()  
rsKnowledge.MoveFirst  
Label1.Caption = rsKnowledge!Tanya
```

```
rsWorking.Requery  
While Not rsWorking.EOF  
rsWorking.Delete  
rsWorking.MoveNext  
Wend
```

```
End Sub
```

Kode program pada Form3 :

```
Private Sub Command1_Click()  
Me.Hide  
End Sub
```

```
Private Sub Form_Load()  
Adodc1.ConnectionString = cn.ConnectionString  
Adodc1.RecordSource = "select * from knowledge"  
Adodc1.Refresh  
Set DataGrid1.DataSource = Adodc1  
DataGrid1.Columns(0).Width = 400  
DataGrid1.Columns(1).Width = 4000  
DataGrid1.Columns(2).Width = 2500
```

```
Adodc2.ConnectionString = cn.ConnectionString  
Adodc2.RecordSource = "select * from solusi"  
Adodc2.Refresh  
Set DataGrid2.DataSource = Adodc2  
DataGrid2.Columns(0).Width = 400  
DataGrid2.Columns(1).Width = 4000
```

```
End Sub
```

Kode program pada Form4 :

```
Private Sub Command1_Click()  
Me.Hide  
End Sub
```

```
Private Sub Command2_Click()  
FrmPenjelasan.Label2.Caption = ""  
rsWorking.MoveFirst  
While Not rsWorking.EOF  
FrmPenjelasan.Label2.Caption = FrmPenjelasan.Label2.Caption + _  
rsWorking!fakta + vbCrLf  
rsWorking.MoveNext  
Wend  
FrmPenjelasan.Label2.Caption = FrmPenjelasan.Label2.Caption + vbCrLf + vbCrLf + _  
"maka hasil diagnosa saya :" + vbCrLf + rsSolusi!solusi  
FrmPenjelasan.Show vbModal  
End Sub
```