

Kita Akan buat database : dengan nama database **db_datamahasiswa**, jika sudah maka buat tabel **t_mahasiswa**... seperti berikut :

The screenshot shows the phpMyAdmin interface for a MySQL database. The left sidebar displays the database structure, with 'db_datamahasiswa' selected and 't_mahasiswa' highlighted. The main area shows the table structure for 't_mahasiswa' with the following columns:

#	Nama	Jenis	Penyortiran	Atribut Kosong	Bawaan	Ekstra	Tindakan
1	NIS	varchar(12)	latin1_swedish_ci	Tidak	Tidak ada		Ubah Hapus Kunci Utama Unik Indeks Spasial Teks penuh Distinct values
2	NAMA	varchar(50)	latin1_swedish_ci	Tidak	Tidak ada		Ubah Hapus Kunci Utama Unik Indeks Spasial Teks penuh Distinct values
3	ALAMAT	varchar(255)	latin1_swedish_ci	Tidak	Tidak ada		Ubah Hapus Kunci Utama Unik Indeks Spasial Teks penuh Distinct values
4	JENIS_KELAMIN	varchar(10)	latin1_swedish_ci	Tidak	Tidak ada		Ubah Hapus Kunci Utama Unik Indeks Spasial Teks penuh Distinct values
5	H_BACA	varchar(5)	latin1_swedish_ci	Tidak	Tidak ada		Ubah Hapus Kunci Utama Unik Indeks Spasial Teks penuh Distinct values
6	H_TULIS	varchar(5)	latin1_swedish_ci	Tidak	Tidak ada		Ubah Hapus Kunci Utama Unik Indeks Spasial Teks penuh Distinct values
7	TANGGAL_LAHIR	date		Tidak	Tidak ada		Ubah Hapus Kunci Utama Unik Indeks Spasial Teks penuh Distinct values

Below the table structure, there is a section for adding columns. It shows '1' kolom added at the 'Pada Akhir Tabel' position. The 'Setelah' dropdown is set to 'NIS'. A 'Kirim' button is present.

The bottom section, titled 'Informasi', provides details about the table's usage and statistics:

Penggunaan ruang		Row statistics	
Data	16 KB	Format	Compact
Indeks	0 B	Penyortiran	latin1_swedish_ci
Jumlah	16 KB	Pembuatan	06 Apr 2017 pada 18.29

Kemudian buat form tampilan seperti berikut ini :

OBJEK	PROPERTI	NILAI	OBJEK	PROPERTI	NILAI
Form	Text	<default>	Textbox1	<default>	<default>
Label1	Text	LATIHAN INPUT DATA	Textbox2	<default>	<default>
Label2	Text	NIS	Textbox3	<default>	<default>
Label3	Text	NAMA	RadioButton1	Name Text	rl Laki-Laki
Label4	Text	Alamat	RadioButton2	Name Text	rp Perempuan
Label5	Text	Jenis Kelamin	ChackBox1	Name Text	Chbaca Membaca
Label6	Text	Hoby	ChackBox2	Name Text	Chtulis Menulis
Label7	Text	Tanggal Lahir	Date Time Pic	<default>	
Button1	Text	&Simpan			
Button2	Text	&Hapus			
Button3	Text	&Edit			
Button4	Text	&Keluar			

Form1

Latihan Input Data

NIS

NAMA

Alamat

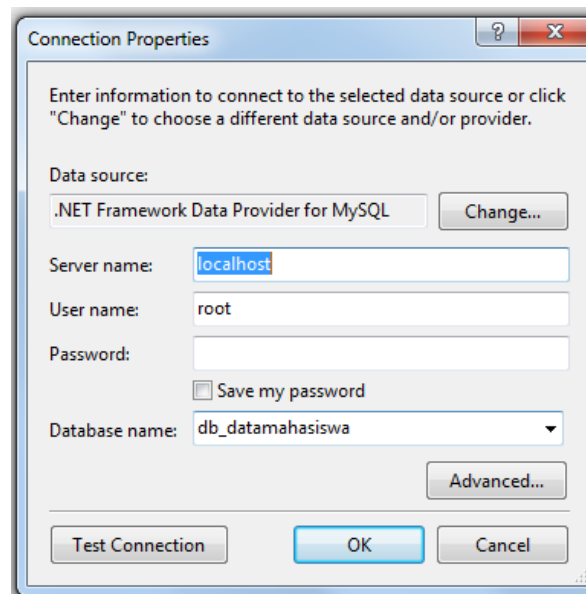
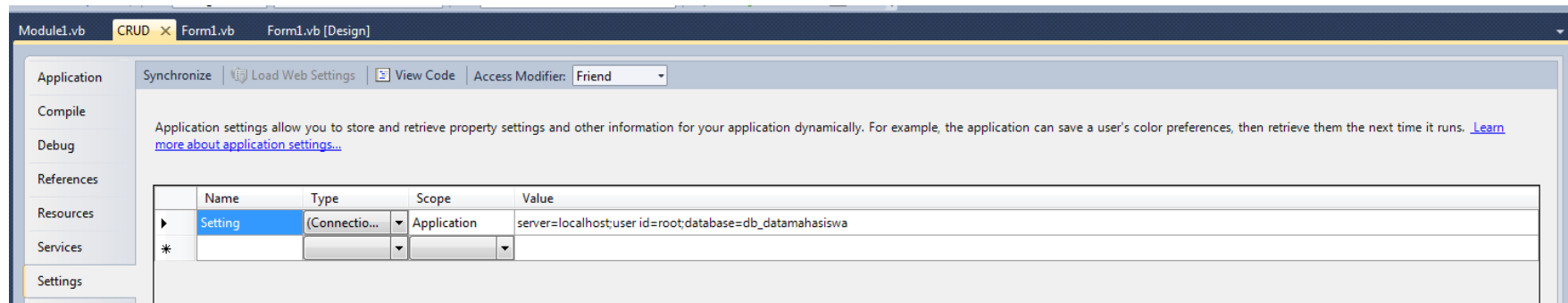
Jenis Kelamin ☒ Laki-Laki ☐ Perempuan

Hoby ☐ Membaca ☐ Menulis

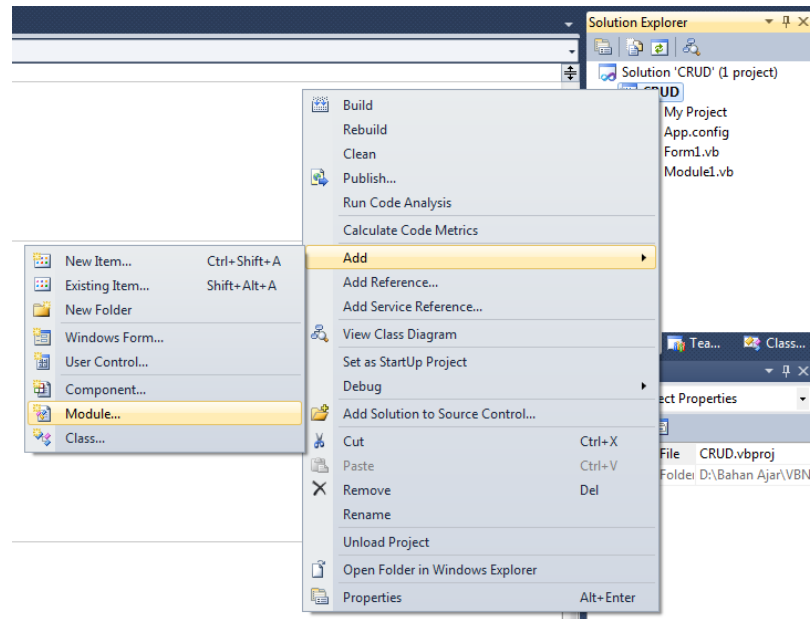
Tanggal Lahir 07 April 2017

Simpan
Hapus
Edit
Data Baru
Keluar

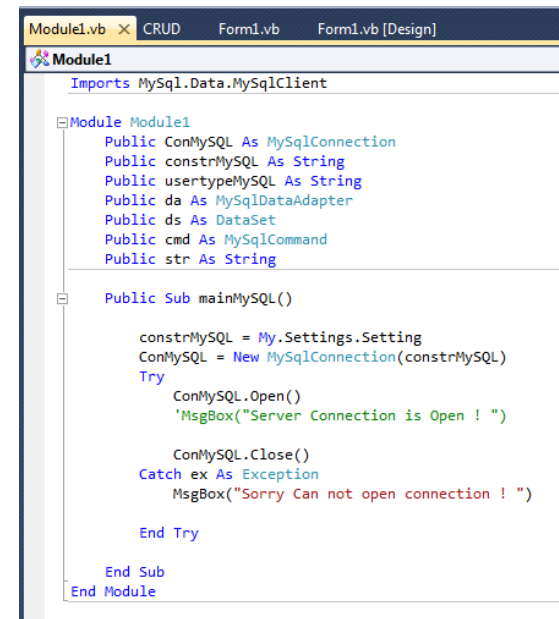
Jika sudah maka kita buat koneksi database tersebut dengan cara seperti berikut :



Lalu buat dan inputkan dulu modul terlebih dahulu...



Gambar cara membuat modul



Gambar sintak program dalam modul

Silahkan ketik sintak berikut :

```
Imports MySql.Data.MySqlClient
```

```
Public Class Form1
```

```
    Dim JK As String
```

```
    Dim Hbc As String
```

```
    Dim Htl As String
```

```
    Dim idtemp As String
```

```
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
        mainMySQL()
        tampildata()
        kosongkan()
    End Sub
```

```
Sub kosongkan()
```

```
    tnis.Text = ""
```

```
    tnama.Text = ""
```

```
    talmat.Text = ""
```

```
    r1.Checked = False
```

```
    rp.Checked = False
```

```
    chbaca.Checked = False
```

```
    chtulis.Checked = False
```

```
    dtptgl.Value = Now
```

```
End Sub
```

```
Sub simpan()
```

```
    ConMySQL = New MySqlConnection(constrMySQL)
```

```
    ConMySQL.Open()
```

```
    Try
```

```
        Dim perintah As New MySqlCommand("insert into
t_mahasiswa" & _
        " values ('" & tnis.Text &
        "','" & tnama.Text & "','" & talmat.Text & _
```

```
        "','" & JK & "','" &
chbaca.Checked & "','" & chtulis.Checked & "','" &
Format(dtptgl.Value, "yyyy-MM-dd") & "')" , ConMySQL)
        perintah.ExecuteNonQuery()
        MsgBox("Sukses", MsgBoxStyle.Information)
        kosongkan()
        ConMySQL.Close()
    Catch ex As Exception
        MsgBox("Data Tidak Bisa Disimpan " & ex.Message,
        MsgBoxStyle.Information, "Pesan")
        tnis.Focus()
        ConMySQL.Close()
    End Try
End Sub
```

```
End Try
```

```
End Sub
```

```
Private Sub r1_CheckedChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles r1.CheckedChanged
```

```
    JK = "laki-laki"
```

```
End Sub
```

```
Private Sub rp_CheckedChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles rp.CheckedChanged
```

```
    JK = "Perempuan"
```

```
End Sub
```

```
Sub tampildata()
```

```
    ConMySQL = New MySqlConnection(constrMySQL)
```

```
    ConMySQL.Open()
```

```
    Dim da As New MySqlDataAdapter("select * from
t_mahasiswa", ConMySQL)
```

```
    Dim dt As New DataTable
```

```
    da.Fill(dt)
```

```
    DataGridView1.DataSource = dt
```

```
    ConMySQL.Close()
```

```
End Sub
```

```

        Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
            simpan()
            tampildata()
            kosongkan()

        End Sub
        Sub ubah()
            ConMySQL = New MySqlConnection(constrMySQL)
            ConMySQL.Open()
            Try
                Dim perintah As New MySqlCommand("UPDATE t_mahasiswa"
                & _
                    " SET NIS= '" & tnis.Text &
                    "', NAMA = '" & tnama.Text & "', ALAMAT = '" & talmat.Text & "',
                    JENIS_KELAMIN = '" & JK & _
                    "', H_BACA= '" &
                    chbaca.Checked & "', H_TULIS = '" & chtulis.Checked & "',
                    TANGGAL_LAHIR= '" & Format(dtptgl.Value, "yyyy-MM-dd") & _
                    "' WHERE NIS ='" & idtemp &
                    "'", ConMySQL)

                perintah.ExecuteNonQuery()
                MsgBox("Sukses", MsgBoxStyle.Information)
                kosongkan()

                ConMySQL.Close()
            Catch ex As Exception
                MsgBox("Terdapat Kesalahan", MsgBoxStyle.Information,
                "Pesan")
                tnis.Focus()
                ConMySQL.Close()
            End Try
        End Sub
        Sub hapus()
            ConMySQL = New MySqlConnection(constrMySQL)
            ConMySQL.Open()
            Try
                Dim perintah As New MySqlCommand("delete from
                t_mahasiswa" & _

```

```

                    " WHERE NIS='" &
                    idtemp & "'", ConMySQL)
                perintah.ExecuteNonQuery()
                MsgBox("Sukses", MsgBoxStyle.Information)
                kosongkan()
                ConMySQL.Close()
            Catch ex As Exception
                MsgBox("Terdapat Kesalahan", MsgBoxStyle.Information,
                "Pesan")
                tnis.Focus()
                ConMySQL.Close()
            End Try
        End Sub

        Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
            hapus()
            tampildata()
            kosongkan()

        End Sub

        Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
            ubah()
            tampildata()
            kosongkan()

        End Sub

        Private Sub DataGridView1_CellContentClick(ByVal sender As System.Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick

        End Sub

        Private Sub DataGridView1_CellDoubleClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles DataGridView1.CellDoubleClick

```

```

Try
    Dim gridbaris As DataGridViewRow =
DataGridView1.Rows(e.RowIndex)
    idtemp = gridbaris.Cells(0).Value.ToString
    tnis.Text = gridbaris.Cells(0).Value.ToString
    tnama.Text = gridbaris.Cells(1).Value.ToString
    talmat.Text = gridbaris.Cells(2).Value.ToString
    JK = gridbaris.Cells(3).Value.ToString
    If JK = "laki-laki" Then
        r1.Checked = True
    Else
        rp.Checked = True

```

```

End If

chbaca.Checked = gridbaris.Cells(4).Value.ToString
chtulis.Checked = gridbaris.Cells(5).Value.ToString
dtptgl.Value = gridbaris.Cells(6).Value

Catch ex As Exception
    MsgBox("Terjadi Kesalahan", MsgBoxStyle.Critical)
End Try
End Sub
End Class

```