

1.Tüm Kayıtları Getirme - Arama Yapma

id	ad	soyad	burs
1	Asiye	Ay	500.0000
2	Filiz	Taşdemir	300.0000
3	Erdem	Aktaş	400.0000
4	Ali	Karayel	1000.0000
5	Özcan	Baygüş	2000.0000

```
using System.Data.SqlClient;
```

```
namespace Uygulama1__Burs
```

```
{
```

```
    public partial class Form1 : Form
```

```
    {
```

```
        public Form1()
```

```
        {
```

```
            InitializeComponent();
```

```
        }
```

```
        string sorgu;
```

```
        private void button1_Click(object sender, EventArgs e)
```

```
        {
```

```
            sorgu = "select * from burs";
```

```
            sql_Calistir();
```

```
        }
```

```
        private void button2_Click(object sender, EventArgs e)
```

```
        {
```

```
            sorgu = "select * from burs where ad like '%" + textBox1.Text + "%'";
```

```
            sql_Calistir();
```

```
        }
```

```
        private void textBox1_TextChanged(object sender, EventArgs e)
```

```
        {
```

```
            sorgu = "select * from burs where ad like '" + textBox1.Text + "%'";
```

```
            sql_Calistir();
```

```
        }
```

```
        public void sql_Calistir()
```

```
        {
```

```
            SqlConnection b = new SqlConnection("server=asiyepc;Database=Ders1;User
```

```
Id='sa';Password='');
```

```
            SqlDataAdapter a = new SqlDataAdapter(sorgu, b);
```

```
            DataSet ds = new DataSet();
```

```
            a.Fill(ds);
```

```
            dataGridView1.DataSource = ds.Tables[0];
```

```
        }
```

Column Name	Data Type	Length	Allow Nulls
id	bigint	8	
ad	varchar	50	✓
soyad	varchar	50	✓
burs	money	8	✓

id	ad	soyad	burs
1	Asiye	Ay	500
2	Filiz	Taşdemir	300
3	Erdem	Aktaş	400
4	Ali	Karayel	1000
5	Özcan	Baygüş	2000

2.Hatırlatma Programı

The screenshot shows a Windows application window titled "Hatırlatma Programı". The interface includes a text box for "Mesaj", a calendar for "Mart 2014" with the 6th selected, and a "Saat" dropdown menu showing "13:06:44". There are "Kaydet" and "Çıkış" buttons. The system tray at the bottom shows "timer1" and "notifyIcon1".

```
using System.Data.SqlClient;

namespace Hatırlatma_Programı
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        SqlConnection baglanti = new SqlConnection("server=asiyepc;Database=alarm;User
Id='sa';Password='');
        SqlCommand komut = new SqlCommand();

        private void button1_Click(object sender, EventArgs e)
        {
            komut.Connection = baglanti;
            komut.CommandText = "insert into mesaj(mesaj,tarih,saat) values('"+textBox1.Text
            + "','"+monthCalendar1.SelectionEnd.ToShortDateString()+"','"+dateTimePicker1.Text+"')";
            baglanti.Open();
            komut.ExecuteNonQuery();
            baglanti.Close();
            MessageBox.Show("Kayıt Tamamlandı");

            MessageBox.Show(monthCalendar1.SelectionEnd.ToShortDateString());
            MessageBox.Show(dateTimePicker1.Text);
        }

        string mesaj, tarih, saat;
        private void timer1_Tick(object sender, EventArgs e)
        {
            komut.Connection = baglanti;
            komut.CommandText = "select mesaj,tarih,saat from mesaj";
            SqlDataReader oku;
            baglanti.Open();
            oku = komut.ExecuteReader();
            while (oku.Read())
            {
                mesaj = oku[0].ToString();
                tarih = oku[1].ToString();
                saat = oku[2].ToString();

                if ((DateTime.Now.ToShortDateString() == tarih) && (DateTime.Now.ToLongTimeString() ==
saat))
                {
                    notifyIcon1.BalloonTipText = mesaj;
                    notifyIcon1.ShowBalloonTip(1000);
                }
            }
        }
    }
}
```

```

    }
    baglanti.Close();
}

private void notifyIcon1_MouseDoubleClick(object sender, MouseEventArgs e)
{
    this.Show();
}

private void button2_Click(object sender, EventArgs e)
{
    timer1.Enabled = true;
    this.Hide();
}
}
}
}

```

Design Table 'mesaj' in 'alarm' on '(local)'

Column Name	Data Type	Length	Allow Nulls
id	bigint	8	
mesaj	varchar	50	✓
tarih	varchar	12	✓
saat	varchar	12	✓

Columns

Description

Default Value

Precision

Scale

Identity

Identity Seed

Identity Increment

Is RowGuid


Formula

Collation

Data in Table 'mesaj' in 'alarm' on '(local)'

id	mesaj	tarih	saat
2	asadsqad	05.01.2014	20:10:21
3	ders 5 10 dakikaya	27.02.2014	21:39:42
5	etyueruer6u	27.02.2014	20:51:00
*			

3. SQL SERVER'da Stored Procedures Oluřturma

Tools→Sql Query Analyzer'dan yapıyoruz... Ařağıdaki kodları buraya yazıyoruz ve  kodların sorunsuz alıřıp alıřmadığını kontrol ediyoruz.

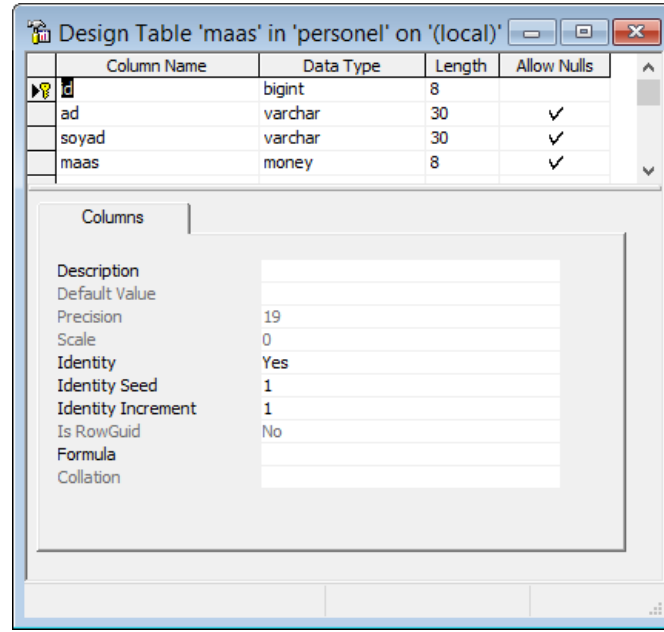
Kayıt

```
Query - ASIEPC.personel.asiye\asiyey - Untitled2*
CREATE PROCEDURE kayıt
@ad as varchar(30),
@soyad as varchar(30),
@maas as money,
@id as bigint output
as
begin
insert into maas(ad,soyad,maas) values(@ad,@soyad,@maas)
select @id=@@identity
end
```

liste

```
Query - ASIEPC.personel.asiye...
Create procedure liste
as
begin
select * from maas
end
```

Database:personel "maas" Tablosu



Column Name	Data Type	Length	Allow Nulls
id	bigint	8	
ad	varchar	30	✓
soyad	varchar	30	✓
maas	money	8	✓

Columns

Description

Default Value

Precision 19

Scale 0

Identity Yes

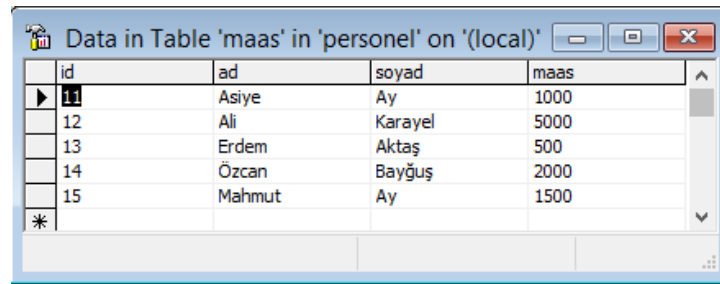
Identity Seed 1

Identity Increment 1

Is RowGuid No

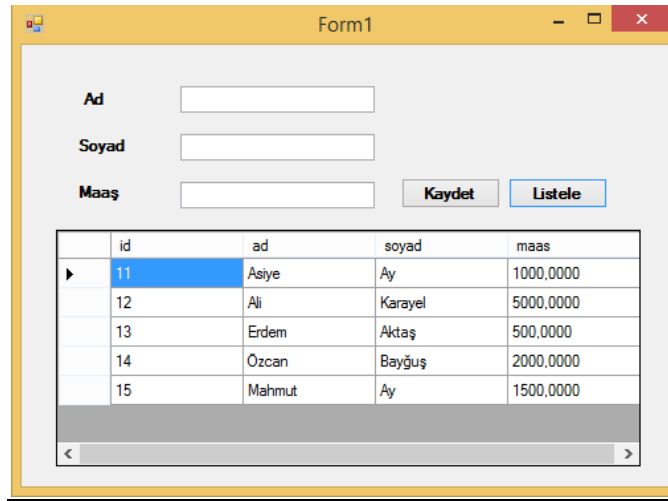
Formula

Collation



id	ad	soyad	maas
11	Asiye	Ay	1000
12	Ali	Karayel	5000
13	Erdem	Aktaş	500
14	Özcan	Bayğuş	2000
15	Mahmut	Ay	1500

Kaydetme ve Listeleme



	id	ad	soyad	maas
▶	11	Asiye	Ay	1000.0000
	12	Ali	Karayel	5000.0000
	13	Erdem	Aktaş	500.0000
	14	Özcan	Baygüş	2000.0000
	15	Mahmut	Ay	1500.0000

```
using System.Data.SqlClient;

namespace WindowsFormsApplication1
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        SqlConnection baglanti = new SqlConnection("server=asiyepc;Database=personel; User Id='sa';
        Password='''");
        SqlCommand komut = new SqlCommand();
        SqlCommand komut2 = new SqlCommand();

        private void button1_Click(object sender, EventArgs e)
        {
            komut.Connection = baglanti;
            komut.CommandType = CommandType.StoredProcedure;
            komut.CommandText = "kayit";
            komut.Parameters.Add(new SqlParameter("@ad", SqlDbType.VarChar)).Value = textBox1.Text;
            komut.Parameters.Add(new SqlParameter("@soyad", SqlDbType.VarChar)).Value = textBox2.Text;
            komut.Parameters.Add(new SqlParameter("@maas", SqlDbType.Money)).Value = textBox3.Text;

            komut.Parameters.Add(new SqlParameter("@id",
            SqlDbType.BigInt)).Direction=ParameterDirection.Output;

            baglanti.Open();
            komut.ExecuteNonQuery();
            baglanti.Close();
            MessageBox.Show("Kayıt Tamamlandı");
            string gelen=komut.Parameters["@id"].SqlValue.ToString();
            this.Text = gelen;
            komut.Parameters.Clear();
            liste();
        }

        public void liste()
        {
            komut2.Connection = baglanti;
            komut2.CommandType = CommandType.StoredProcedure;
            komut2.CommandText = "liste";
            baglanti.Open();
            SqlDataAdapter oku = new SqlDataAdapter(komut2);
            DataSet ds = new DataSet();
            oku.Fill(ds);
            dataGridView1.DataSource = ds.Tables[0];
            baglanti.Close();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            liste();
        }
    }
}
```

4.Parametrelili Stored Procedures Çalıştırma

kitap_id	kitap_ad	yazar_id	tur_id	kitap_fiyat	kitap_resim
14	a	15	15	4,0000	D:\Resimler\123...

```
using System.Data.SqlClient;

namespace WindowsFormsApplication1
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        string resim;
        SqlConnection baglanti = new SqlConnection("server=asiyepc;Database=kitap;User
Id='sa';Password='';");
        SqlCommand komut = new SqlCommand();
        SqlDataAdapter adaptor = new SqlDataAdapter();
        DataSet ds = new DataSet();

        private void pictureBox1_Click(object sender, EventArgs e)
        {
            openFileDialog1.ShowDialog();
            resim = openFileDialog1.FileName;
            pictureBox1.Image = Image.FromFile(resim);
        }

        private void button1_Click(object sender, EventArgs e)
        {
            komut.Connection = baglanti;
            komut.CommandType = CommandType.StoredProcedure;
            komut.CommandText = "kitap_kayit";
            baglanti.Open();

            komut.Parameters.Add(new SqlParameter("@kitap_ad", SqlDbType.VarChar)).Value =
textBox1.Text; // her bir alan için parametre tanımladık
            komut.Parameters.Add(new SqlParameter("@yazar_ad", SqlDbType.VarChar)).Value =
comboBox1.Text;
            komut.Parameters.Add(new SqlParameter("@tur_ad", SqlDbType.VarChar)).Value =
comboBox2.Text;
            komut.Parameters.Add(new SqlParameter("@kitap_fiyat", SqlDbType.Money)).Value =
textBox2.Text;
            komut.Parameters.Add(new SqlParameter("@kitap_resim", SqlDbType.VarChar)).Value =resim;
            komut.ExecuteNonQuery(); // bunun ile store prosüdür çalıştırılır
            baglanti.Close();

            komut.Parameters.Clear();
            getir();
        }
    }
}
```

```

int kitap_Id;
String kitap_ad;
int say = 0;

public void getir()
{
    say = 0;
    listView1.Items.Clear();
    imageList1.Images.Clear();
    komut.Connection = baglanti;
    komut.CommandType = CommandType.Text;
    komut.CommandText = "select kitap_Id,kitap_ad,kitap_resim from kitap";
    SqlDataReader oku;
    baglanti.Open();
    oku = komut.ExecuteReader();
    while (oku.Read())
    {
        kitap_Id = Convert.ToInt32(oku[0].ToString());
        kitap_ad = oku[1].ToString();
        resim = oku[2].ToString();

        imageList1.Images.Add(Image.FromFile(resim));
        listView1.Items.Add(kitap_Id.ToString() + "-" + kitap_ad, say);
        say = say + 1;
    }

    baglanti.Close();
}

String[] parca;

private void listView1_SelectedIndexChanged(object sender, EventArgs e)
{
    if(listView1.Items.Count>0)
    {
        foreach (ListViewItem x in listView1.SelectedItems)
        {
            parca = x.Text.Split('-');
            this.Text = x.Text.ToString();
        }

        adaptor = new SqlDataAdapter("select * from kitap where kitap_Id=" +
parca[0].ToString(), baglanti);
        ds.Clear();
        adaptor.Fill(ds, "oku");
        dataGridView1.DataSource = ds.Tables["oku"];

        adaptor = new SqlDataAdapter("select * from kitap where kitap_Id=" +
parca[0].ToString(), baglanti);
        ds.Clear();
        adaptor.Fill(ds, "oku");
        dataGridView1.DataSource = ds.Tables["oku"];
    }
}

private void button2_Click(object sender, EventArgs e)
{
    getir();
}
}
}

```

Veritabanı

Oluşturulan Tablolar:

The image displays three screenshots of the SQL Server Enterprise Designer interface, showing the design of three tables: 'kitap', 'yazar', and 'tur'.

Table 'kitap' Design:

Column Name	Data Type	Length	Allow Nulls
kitap_id	bigint	8	
kitap_ad	varchar	50	✓
yazar_id	bigint	8	✓
tur_id	bigint	8	✓
kitap_fiyat	money	8	✓
kitap_resim	varchar	255	✓

Table 'yazar' Design:

Column Name	Data Type	Length	Allow Nulls
yazar_id	bigint	8	
yazar_ad	varchar	50	✓

Table 'tur' Design:

Column Name	Data Type	Length	Allow Nulls
tur_id	bigint	8	
tur_ad	varchar	50	✓

The 'Columns' pane in each window shows the following properties for the primary key (indicated by a key icon):

- Description
- Default Value
- Precision: 19
- Scale: 0
- Identity: Yes
- Identity Seed: 1
- Identity Increment: 1
- Is RowGuid: No
- Formula
- Collation

Parametrelili Stored Procedures Oluşturmak - Parametrelili Değişken Tanımlama

```
CREATE PROCEDURE kitap_kayit
@kitap_ad as varchar(50),
@yazar_ad as varchar(50),
@tur_ad varchar(50),
@kitap_fiyat as money,
@kitap_resim as varchar(255)
as
BEGIN
declare @tur_Id as bigint
declare @yazar_Id as bigint
declare @say as int
select @say=count(*) from tur where tur_ad=@tur_ad
if (@say<=0 )
begin
insert into tur(tur_ad) values (@tur_ad)
select @tur_Id=tur_Id from tur where tur_ad=@tur_ad
end
else
begin
select @tur_Id=tur_Id from tur where tur_ad=@tur_ad
end
select @say=count(*) from yazar where yazar_ad=@yazar_ad
if (@say<=0)
begin
insert into yazar(yazar_ad) values (@yazar_ad)
select @yazar_Id=yazar_Id from yazar where yazar_ad=@yazar_ad
end
else
begin
select @yazar_Id=yazar_Id from yazar where yazar_ad=@yazar_ad
end
select @say=count(*) from kitap where kitap_ad=@kitap_ad
if (@say<=0)
begin
insert into kitap(kitap_ad,yazar_Id,tur_Id,kitap_fiyat,kitap_resim)
values (@kitap_ad,@yazar_Id,@tur_Id,@kitap_fiyat,@kitap_resim)
end
END
```

Kayıtlar:

The image shows three screenshots of SQL Server Enterprise Manager displaying data in tables. The top-left screenshot shows the 'kitap' table with columns: kitap_Id, kitap_ad, yazar_Id, tur_Id, kitap_fiyat, and kitap_resim. The top-right screenshot shows the 'yazar' table with columns: yazar_Id and yazar_ad. The bottom screenshot shows the 'tur' table with columns: tur_Id and tur_ad.

kitap_Id	kitap_ad	yazar_Id	tur_Id	kitap_fiyat	kitap_resim
15	a	15	15	4	D:\Resimler\123\01052012734.jpg
16	b	16	16	6	D:\Resimler\123\01052012734.jpg
17	c	17	17	8	D:\Resimler\123\20052012745.jpg
18	k	18	18	8	D:\Resimler\123\140220131026.jpg
19	g	19	19	7	D:\Resimler\123\15122012959.jpg

yazar_Id	yazar_ad
15	a
16	b
17	c
18	k
19	g

tur_Id	tur_ad
15	a
16	b
17	c
18	k
19	g