

Que:

EmpNO

Name

Basic

DeptNo

Insert

Insert with Parameters

Insert with Stored Procedure

Transaction

ExecuteQuery

## String Concendination : Insert

```
1 reference
private void btnInsert_Click(object sender, RoutedEventArgs e)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MsSqlLocalDb;Initial Catalog=JKDec20;Integrated Security=true";

    cn.Open();

    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;

    cmd.CommandText = "insert into Employees values(" + txtEmpNo.Text + "," + txtName.Text + "," +
        txtBasic.Text + "," + txtDeptNo.Text + ")";
    MessageBox.Show(cmd.CommandText);
    try
    {
        cmd.ExecuteNonQuery();
        MessageBox.Show("okay");
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }

    cn.Close();
}
```

Insert with parameter:

1 reference

```
private void Button_Click(object sender, RoutedEventArgs e)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MsSqlLocalDb;Initial Catalog=JKDec20;Integrated Security=true";

    cn.Open();

    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;

    cmd.CommandText = "insert into Employees values(@EmpNo,@Name,@Basic,@DeptNo)";

    cmd.Parameters.AddWithValue("@EmpNo", txtEmpNo.Text);
    cmd.Parameters.AddWithValue("@Name", txtName.Text);
    cmd.Parameters.AddWithValue("@Basic", txtBasic.Text);
    cmd.Parameters.AddWithValue("@DeptNo", txtDeptNo.Text);

    //MessageBox.Show(cmd.CommandText);
    try
    {
        cmd.ExecuteNonQuery();
        MessageBox.Show("okay");
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
    cn.Close();
}
```

**Insert with Store Procedure:**

1 reference

```
private void Button_Click(object sender, RoutedEventArgs e)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MsSqlLocalDb;Initial Catalog=JKDec20;Integrated Security=true";

    cn.Open();

    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;

    cmd.CommandText = "insert into Employees values(@EmpNo,@Name,@Basic,@DeptNo)";

    cmd.Parameters.AddWithValue("@EmpNo", txtEmpNo.Text);
    cmd.Parameters.AddWithValue("@Name", txtName.Text);
    cmd.Parameters.AddWithValue("@Basic", txtBasic.Text);
    cmd.Parameters.AddWithValue("@DeptNo", txtDeptNo.Text);

    //MessageBox.Show(cmd.CommandText);
    try
    {
        cmd.ExecuteNonQuery();
        MessageBox.Show("okay");
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
    cn.Close();
}
```

Transation :

```

//Transaction
1 reference
private void Button_Click_2(object sender, RoutedEventArgs e)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MsSqlLocalDb;Initial Catalog=JKDec20;Integrated Security=true";
    cn.Open();
    SqlTransaction t = cn.BeginTransaction();
    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.Transaction = t;
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "insert into Employees values(300,'new emp',12345,10)";
    SqlCommand cmd2 = new SqlCommand();
    cmd2.Connection = cn;
    cmd2.Transaction = t;
    cmd2.CommandType = CommandType.Text;
    cmd2.CommandText = "insert into Employees values(300,'new emp2',12345,10)";
    try
    {
        cmd.ExecuteNonQuery();
        cmd2.ExecuteNonQuery();
        t.Commit();
        MessageBox.Show("commit");
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
        t.Rollback();
    }
    finally
    {
        cn.Close();
    }
}

```

## Execute Query:

```

1 reference
private void Button_Click_3(object sender, RoutedEventArgs e)
{
    SqlConnection cn = new SqlConnection();
    cn.ConnectionString = @"Data Source=(localdb)\MsSqlLocalDb;Initial Catalog=JKDec20;Integrated Security=true";

    cn.Open();

    SqlCommand cmd = new SqlCommand();
    cmd.Connection = cn;
    cmd.CommandType = CommandType.Text;
    cmd.CommandText = "select count(*) from Employees";
    MessageBox.Show(cmd.ExecuteScalar().ToString()); //single value

    cn.Close();
}

```

