```csharp
using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Data.SqlClient;


namespace ADO1_connect_to_sql_database

{

    public partial class Form1 : Form

    {

        public Form1()

        {

            InitializeComponent();

        }
```

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

        {

            //1 create a connection string


            string str = "server=.\\SQLEXPRESS;integrated
security=true;database=mkp";

            SqlConnection conn = null;


            //2 use sqlconnection class to connect to sql server database


            try

            {

                conn = new SqlConnection(str);

                conn.Open();


                //in connected environment you have to explicitly open the
connection using open method

                MessageBox.Show("connected successfully");

            }

            catch(Exception ex)

            {

                MessageBox.Show(ex.ToString());

            }

            finally

            {

                conn.Close();

            }

        }

    }

}
```