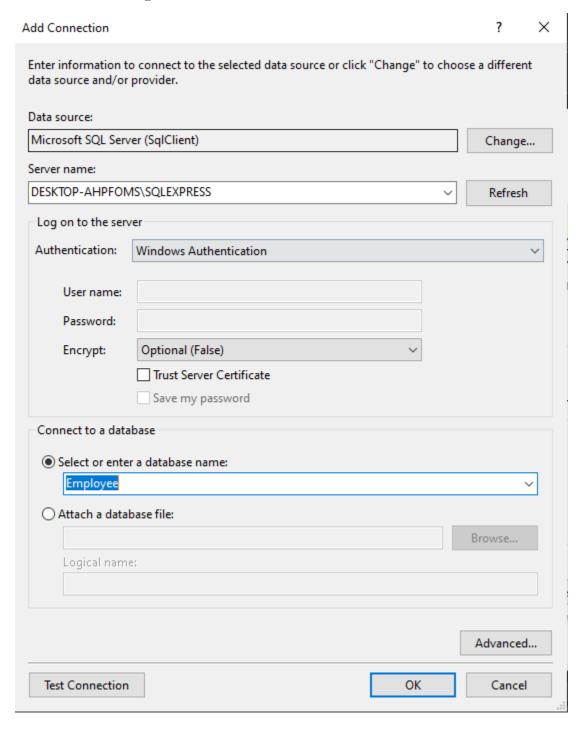
# **Question No. 1**

# **Database Setup:**

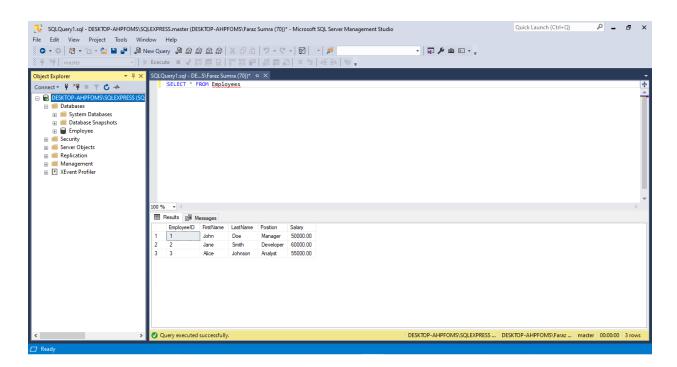


#### **Quries:**

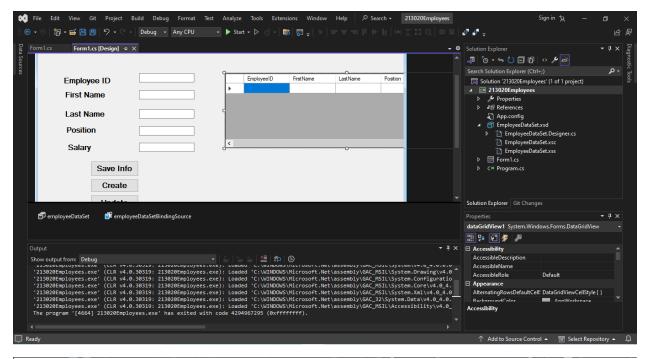
#### **Create Database**

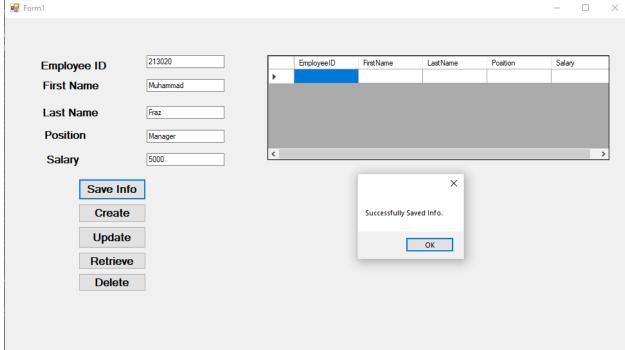
CREATE DATABASE Employee

#### **Create Table**



### **Save Info:**





### **Code:**

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
```

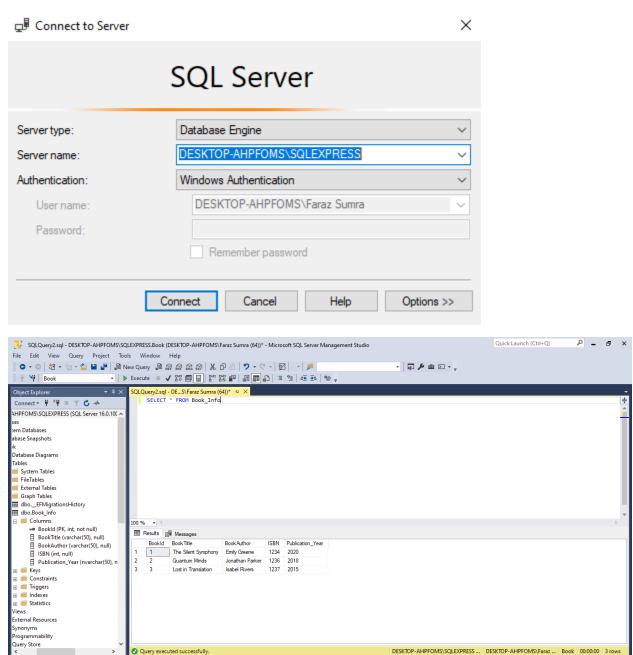
```
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Data.SqlClient;
using System.Windows.Forms;
namespace _213020Employees
   public partial class Form1 : Form
        public Form1()
            InitializeComponent();
        private void Form1_Load(object sender, EventArgs e)
            LoadData();
        private void LoadData()
            try
                using (SqlConnection connection = new
SqlConnection(connectionString))
                    connection.Open();
                    string query = "SELECT * FROM Employees";
                    using (SqlDataAdapter adapter = new SqlDataAdapter(query,
connection))
                    {
                        EmployeeDataSet employeeDataSet = new EmployeeDataSet();
                        adapter.Fill(employeeDataSet, "Employees");
                        dataGridView1.DataSource =
employeeDataSet.Tables["Employees"];
            catch (Exception ex)
                MessageBox.Show("Error: " + ex.Message);
        private string connectionString = "Data Source=DESKTOP-
AHPFOMS\\SQLEXPRESS;Initial Catalog=Employee;Integrated
Security=True;Encrypt=False";
        private void textBox1_TextChanged(object sender, EventArgs e)
            textBox1.Text = textBox1.Text;
        private void textBox2_TextChanged(object sender, EventArgs e)
            textBox2.Text = textBox2.Text;
```

```
}
private void textBox3_TextChanged(object sender, EventArgs e)
   textBox3.Text = textBox3.Text;
private void textBox4_TextChanged(object sender, EventArgs e)
    textBox4.Text = textBox4.Text;
}
private void button1_Click(object sender, EventArgs e)
    try
    {
        MessageBox.Show("Successfully Saved Info.");
    catch (Exception ex)
        MessageBox.Show("Error: " + ex.Message);
    }
}
private void button2_Click(object sender, EventArgs e)
private void button3_Click(object sender, EventArgs e)
private void button5_Click(object sender, EventArgs e)
private void button4_Click(object sender, EventArgs e)
   try
        string employeeInfo = RetrieveInfo();
        MessageBox.Show("Retrieved Employee Info:\n" + employeeInfo);
    catch (Exception ex)
        MessageBox.Show("Error: " + ex.Message);
}
private string RetrieveInfo()
```

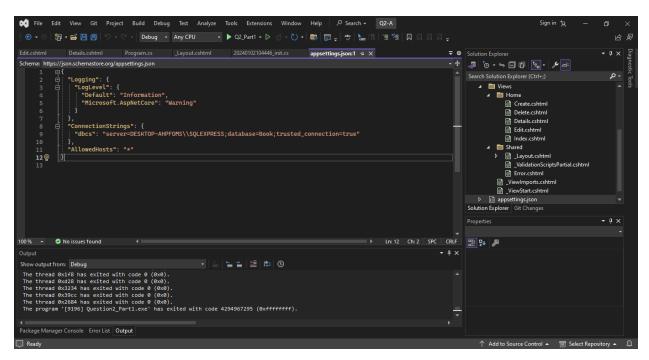
```
try
                using (SqlConnection connection = new
SqlConnection(connectionString))
                    connection.Open();
                    string query = "SELECT * FROM Employees WHERE EmployeeID =
@EmployeeID";
                    using (SqlCommand command = new SqlCommand(query, connection))
                        command.Parameters.AddWithValue("@EmployeeID", 1);
                        using (SqlDataReader reader = command.ExecuteReader())
                            if (reader.Read())
                                int employeeID = reader.GetInt32(0);
                                string firstName = reader.GetString(1);
                                string lastName = reader.GetString(2);
                                string position = reader.GetString(3);
                                decimal salary = reader.GetDecimal(4);
                                return $"EmployeeID: {employeeID}\nFirstName:
{firstName}\nLastName: {lastName}\nPosition: {position}\nSalary: {salary}";
                            }
                            else
                                throw new Exception("Employee not found.");
                        }
                    }
                }
            catch (Exception ex)
                throw new Exception("Error retrieving employee info: " +
ex.Message);
        }
    }
}
```

### Question No. 2 Part 1

# **SQL Server Connection**



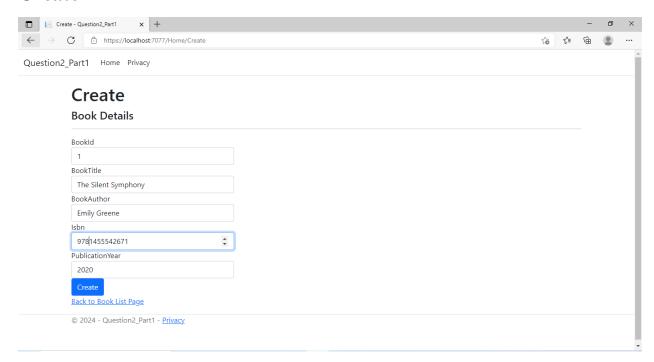
### **Visual Studio Connection**



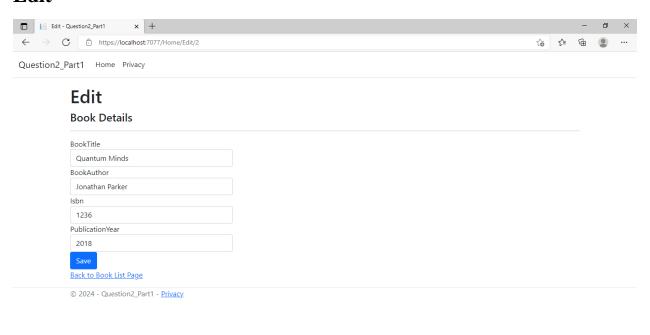
### Web



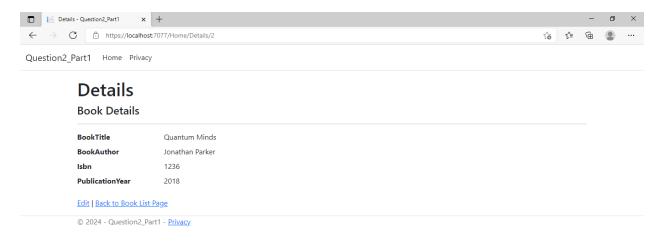
### Create



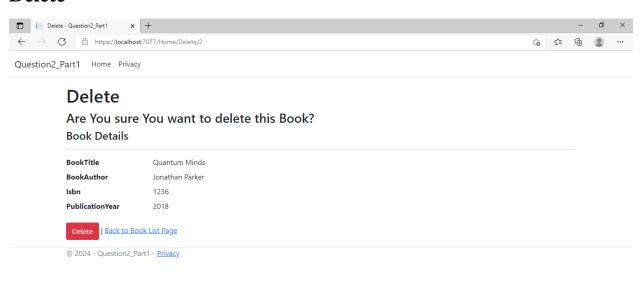
### **Edit**



# **Details**

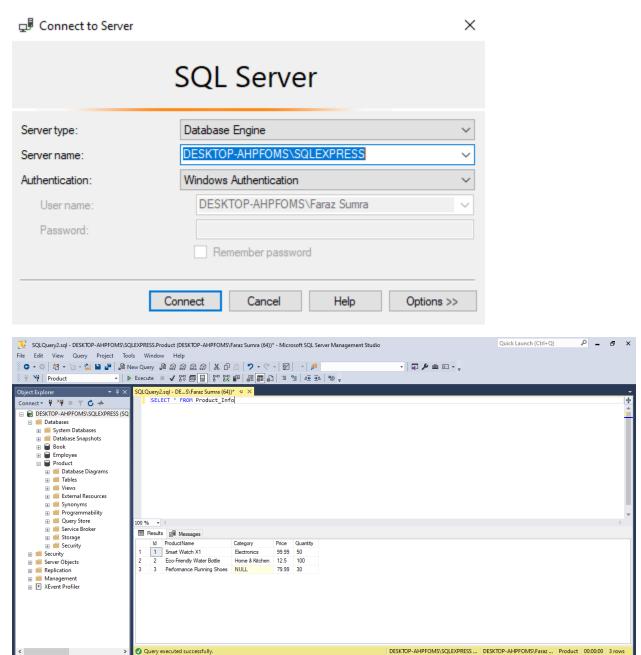


### **Delete**

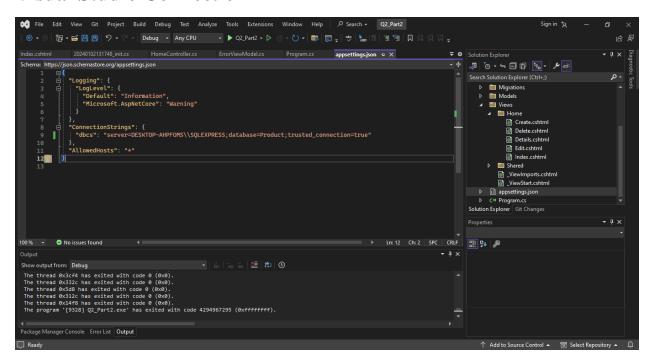


### Question No. 2 Part 2

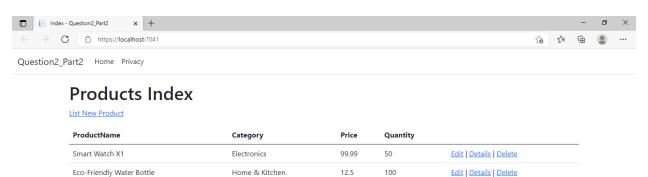
# **SQL Server Connection**



### **Visual Studio Connection**

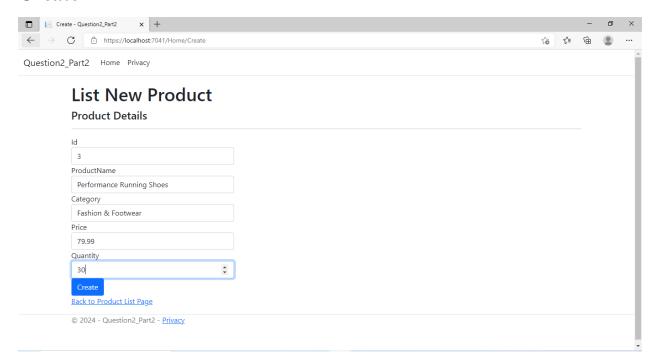


#### Web

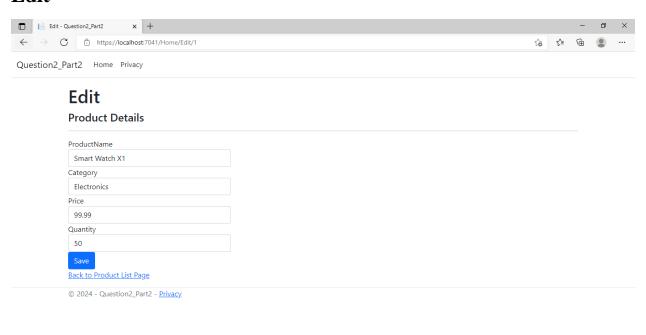


© 2024 - Question2\_Part2 - Privacy

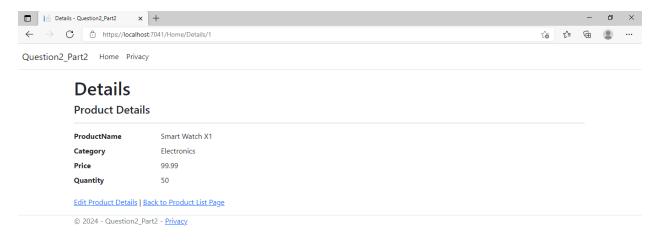
### Create



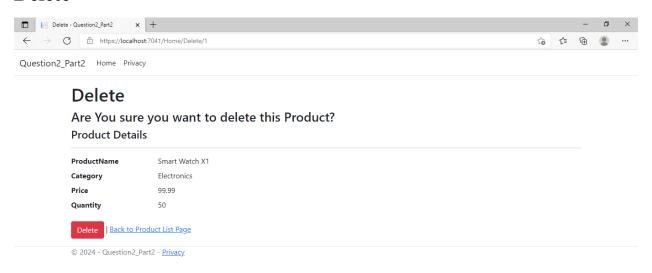
### **Edit**



# **Details**



### **Delete**





# **Products Index**

#### List New Product

ProductName	Category	Price	Quantity	
Smart Watch X1	Electronics	99.99	50	Edit   Details   Delete
Eco-Friendly Water Bottle	Home & Kitchen	12.5	100	Edit   Details   Delete
Performance Running Shoes		79.99	30	Edit   Details   Delete

© 2024 - Question2\_Part2 - Privacy