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Computer and Information Sciences

Internet Application Development

LAB Number: 05

Question Number: 01

Task_01.aspx

```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="Task_01.aspx.vb"
Inherits="_Default1" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
    <title>Customer Registration</title>
```

```
</head>
```

```
<body>
```

```
    <h2>Customer Registration</h2>
```

```
    <form id="form1" runat="server">
```

```
        <div>
```

```
            <label for="txtID">Customer ID:</label>
```

```
            <asp:TextBox ID="txtID" runat="server" /><br /><br />
```

```
            <label for="txtName">Customer Name:</label>
```

```

<asp:TextBox ID="txtName" runat="server" /><br /><br />

<label for="txtEmail">Customer Email:</label>

<asp:TextBox ID="txtEmail" runat="server" /><br /><br />

<label for="txtPhone">Customer Phone Number:</label>

<asp:TextBox ID="txtPhone" runat="server" /><br /><br />

<asp:Button ID="btnRegister" runat="server" Text="Register" OnClick="btnRegister_Click"
/><br /><br />

<asp:Label ID="lblMessage" runat="server" ForeColor="Green" />

</div>

</form>

</body>

</html>

```

Task_01.aspx.vb

```
Imports System.Data.SqlClient
```

```
Partial Class _Default1
```

```
Inherits System.Web.UI.Page
```

```
Protected Sub btnRegister_Click(sender As Object, e As EventArgs)
```

```
    Dim id As Integer = Convert.ToInt32(txtID.Text)
```

```
Dim name As String = txtName.Text
```

```
Dim email As String = txtEmail.Text
```

```
Dim phone As String = txtPhone.Text
```

```
Dim connectionString As String = "Data Source=DESKTOP-64KUI2K;Initial  
Catalog=Inventory_Management;Integrated Security=True"
```

```
Using conn As New SqlConnection(connectionString)
```

```
Dim query As String = "INSERT INTO Customer (CustomerID, CustomerName,  
CustomerEmail, CustomerPhoneNumber) VALUES (@ID, @Name, @Email, @Phone)"
```

```
Dim cmd As New SqlCommand(query, conn)
```

```
cmd.Parameters.AddWithValue("@ID", id)
```

```
cmd.Parameters.AddWithValue("@Name", name)
```

```
cmd.Parameters.AddWithValue("@Email", email)
```

```
cmd.Parameters.AddWithValue("@Phone", phone)
```

```
conn.Open()
```

```
cmd.ExecuteNonQuery()
```

```
End Using
```

```
lblMessage.Text = "Customer registered successfully."
```

```
End Sub
```

```
End Class
```

Question Number: 02

Task_02.aspx

```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="Task_02.aspx.vb"
Inherits="_Default2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

    <title>Search Product</title>

</head>

<body>

    <h2>Search Product</h2>

    <form id="form1" runat="server">

        <div>

            <label for="txtSearch">Product Name:</label>

            <asp:TextBox ID="txtSearch" runat="server" />

            <asp:Button ID="btnSearch" runat="server" Text="Search" OnClick="btnSearch_Click"
/><br /><br />

            <asp:GridView ID="gvResults" runat="server" AutoGenerateColumns="True" />

        </div>

    </form>

</body>

</html>
```

Task_02.aspx.vb

Imports System

Imports System.Data.SqlClient

Partial Class _Default2

Inherits System.Web.UI.Page

Protected Sub btnSearch_Click(sender As Object, e As EventArgs)

Dim keyword As String = txtSearch.Text

Dim connectionString As String = "Data Source=DESKTOP-64KUI2K;Initial
Catalog=Inventory_Management;Integrated Security=True"

Using conn As New SqlConnection(connectionString)

Dim query As String = "SELECT ProductName, Category, Price FROM Product WHERE
ProductName LIKE @Keyword"

Dim cmd As New SqlCommand(query, conn)

cmd.Parameters.AddWithValue("@Keyword", "%" & keyword & "%")

conn.Open()

Dim reader As SqlDataReader = cmd.ExecuteReader()

gvResults.DataSource = reader

gvResults.DataBind()

End Using

End Sub

End Class