**QUESTION NO.17**

To install the Internet Information Services (IIS) Server on Windows, follow these steps:

1. Open the Control Panel and click on "Programs and Features."
2. Click on "Turn Windows features on or off" on the left-hand side of the window.
3. In the Windows Features window, scroll down until you find "Internet Information Services" and expand it.
4. Check the box next to "Internet Information Services" to enable the feature.
5. Expand the "World Wide Web Services" option and select the options you need, such as "Common HTTP Features" or "Application Development Features."
6. Expand the "Security" option and select any security features you require, such as "Request Filtering" or "IP Security."
7. Click "OK" to save the changes and begin the installation process.
8. Once the installation process is complete, open a web browser and type "localhost" or the IP address of your server into the address bar to ensure that the IIS server is running.

**QUESTION NO.18**

First, create a new ASP.Net Web Forms application in Visual Studio. Then, add a new Web Form to the project and name it "Calculator.aspx".

In the Calculator.aspx file, add the following HTML code:

<div class="calculator">

<h2>Calculator</h2>

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

<div>

<asp:TextBox ID="txtResult" runat="server" CssClass="result"></asp:TextBox>

<br />

<asp:Button ID="btnClear" runat="server" Text="C" CssClass="button" OnClick="btnClear\_Click" />

<asp:Button ID="btnPlusMinus" runat="server" Text="+/-" CssClass="button" OnClick="btnPlusMinus\_Click" />

<asp:Button ID="btnPercent" runat="server" Text="%" CssClass="button" OnClick="btnPercent\_Click" />

<asp:Button ID="btnDivide" runat="server" Text="/" CssClass="button" OnClick="btnDivide\_Click" />

<br />

<asp:Button ID="btnSeven" runat="server" Text="7" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnEight" runat="server" Text="8" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnNine" runat="server" Text="9" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnMultiply" runat="server" Text="\*" CssClass="button" OnClick="btnMultiply\_Click" />

<br />

<asp:Button ID="btnFour" runat="server" Text="4" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnFive" runat="server" Text="5" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnSix" runat="server" Text="6" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnMinus" runat="server" Text="-" CssClass="button" OnClick="btnMinus\_Click" />

<br />

<asp:Button ID="btnOne" runat="server" Text="1" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnTwo" runat="server" Text="2" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnThree" runat="server" Text="3" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnPlus" runat="server" Text="+" CssClass="button" OnClick="btnPlus\_Click" />

<br />

<asp:Button ID="btnZero" runat="server" Text="0" CssClass="button" OnClick="btnNumber\_Click" />

<asp:Button ID="btnDecimal" runat="server" Text="." CssClass="button" OnClick="btnDecimal\_Click" />

<asp:Button ID="btnEquals" runat="server" Text="=" CssClass="button" OnClick="btnEquals\_Click" />

</div>

</form>

</div>

**QUESTION NO.20**

CREATE DATABASE stdrecord;

GO

USE stdrecord;

GO

CREATE TABLE tbl\_user (

u\_id INT NOT NULL PRIMARY KEY IDENTITY(1,1),

u\_name VARCHAR(50) NOT NULL,

u\_password VARCHAR(50) NOT NULL

);

GO

To validate the user using ASP.Net with C#, you could create a login page with a username and password input fields. When the user submits the form, you could use the following C# code to check if the username and password match a record in the 'tbl\_user' table

protected void btnLogin\_Click(object sender, EventArgs e)

{

string username = txtUsername.Text;

string password = txtPassword.Text;

// Connect to the database

string connectionString = "Data Source=(local);Initial Catalog=stdrecord;Integrated Security=True";

SqlConnection connection = new SqlConnection(connectionString);

connection.Open();

// Check if the username and password match a record in the tbl\_user table

SqlCommand command = new SqlCommand("SELECT COUNT(\*) FROM tbl\_user WHERE u\_name = @username AND u\_password = @password", connection);

command.Parameters.AddWithValue("@username", username);

command.Parameters.AddWithValue("@password", password);

int count = (int)command.ExecuteScalar();

if (count == 1)

{

// User is valid, redirect to the home page

Response.Redirect("home.aspx");

}

else

{

// User is not valid, display an error message

lblError.Text = "Invalid username or password.";

}

connection.Close();

}

Note: This code is just an example and does not include proper security measures such as password hashing or SQL injection prevention. It is important to implement proper security measures in your code

**QUESTION NO. 19**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Registration.aspx.cs" Inherits="WebApplication1.Registration" %>

<!DOCTYPE html>

<html>

<head>

<title>Registration Form</title>

<style>

form {

max-width: 500px;

margin: 0 auto;

padding: 20px;

background-color: #f9f9f9;

border: 1px solid #ddd;

border-radius: 5px;

font-family: Arial, sans-serif;

}

h1 {

text-align: center;

}

label {

display: block;

margin-bottom: 10px;

}

input[type=text], input[type=email], input[type=password] {

width: 100%;

padding: 10px;

margin-bottom: 20px;

border: 1px solid #ccc;

border-radius: 5px;

font-size: 16px;

font-family: Arial, sans-serif;

}

input[type=submit] {

background-color: #4CAF50;

color: white;

padding: 10px 20px;

border: none;

border-radius: 5px;

font-size: 16px;

cursor: pointer;

}

input[type=submit]:hover {

background-color: #45a049;

}

.error {

color: red;

margin-bottom: 10px;

}

</style>

</head>

<body>

<form runat="server">

<h1>Registration Form</h1>

<div class="error" runat="server" visible="false"></div>

<label for="txtFirstName">First Name</label>

<input type="text" id="txtFirstName" runat="server" />

<label for="txtLastName">Last Name</label>

<input type="text" id="txtLastName" runat="server" />

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

<input type="email" id="txtEmail" runat="server" />

<label for="txtPassword">Password</label>

<input type="password" id="txtPassword" runat="server" />

<input type="submit" id="btnRegister" runat="server" value="Register" />

</form>

<script>

document.getElementById("btnRegister").addEventListener("click", function(event) {

var firstName = document.getElementById("txtFirstName").value;

var lastName = document.getElementById("txtLastName").value;

var email = document.getElementById("txtEmail").value;

var password = document.getElementById("txtPassword").value;

if (firstName == "" || lastName == "" || email == "" || password == "") {

event.preventDefault();

document.querySelector(".error").innerHTML = "Please fill in all fields.";

document.querySelector(".error").style.display = "block";

}

});

</script>

</body>

</html>