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# Practical-1

AIM-

-Introduction to c#:

Variables:

* Initialization
* Scope
* Constant

-Predefined Data Types

* Value Types
* Reference TYpes

-Flow Control

* Conditional Statements(if, switch)
* Loop(for, while, dowhile, foreach)
* Jump(goto, break, continue, return)

-Eumerations

-Passing Arguments

using System;

namespace P1

{

class MyFirstClass

{

public static void Main()

{

Console.WriteLine("HiAll");

Console.ReadKey();

return;

}

}

}

2.constant variable

using System;

namespace Cant

{

public class Cant

{

public static void Main()

{

int a;

a = 99;

Console.WriteLine("Value is: {0}",a);

Console.ReadKey();

}

}

}

3.scope of variable

using System;

namespace P1

{

class Scope1

{

public static void Main()

{

for(int i=0;i<5;i++)

{

Console.WriteLine(i);

}

//i goes out of Scope here

for(int i=4;i>=0;i--)

{

Console.WriteLine(i);

}

}

}

}

4.scope of variable

using System;

namespace P1

{

class Scope2

{

public static void Main()

{

int j;

for(int i=0;i<15;i++)

{

int j;

Console.WriteLine(i);

}

}

}

}

5.

using System;

namespace P1

{

public class Scope{

static int j = 430;

public static void Main()

{

int j =900;

Console.WriteLine(Scope.j);

}

}

6.consatnt variable

using System;

namespace P1

{

public class Const

{

public static void Main()

{

const double bonusPercent = 0.51;

int sal = 3000;

int bonus = (int)(sal \* bonusPercent);

Console.WriteLine(bonus);

}

}

}

using System;

namespace P1

{

public class Vector

{

public int value;

}

public class DataTypes

{

public static void Main()

{

int i;

int j;

i = 77;

j = i;

Console.WriteLine("i is {0} and j is {1}", i, j);

j = 20;

Console.WriteLine("i is {0} and j is {1}", i, j);

Vector x,y;

x = new Vector();

x.value = 33;

y = x;

Console.WriteLine("x is {0} and y is {1}", x.value, y.value);

y.value = 24;

Console.WriteLine("x is {0} and y is {1}", x.value, y.value);

}

}

}

8.integer signed or unsigned variables

using System;

namespace P1

{

class IntType

{

public static void Main()

{

//Signed Variables

sbyte sb = 33;

short s =33 ;

int i = 33;

long l = 33L;

//Unsigned Variables

byte b = 33;

ushort us = 33;

uint ui = 33U;

ulong ul = 33UL;

us = (ushort)ul;

Console.WriteLine("{0} {1} {2} {3} {4} {5} {6} {7}", sb,s,i,l,b,us,ui,ul);

}

}

}

9.floating variables

using System;

namespace P1

{

public class Floatting

{

public static void Main()

{

float f = 0.123456789F;

double d = 0.112233445566778899;

decimal dec = 11223344.1112223334445556667778889999M;

f = (float)d;

Console.WriteLine("f is {0} and d is {1} and dec is {2}", f, d, dec);

}

}

}

10.boolean

using System;

namespace P1

{

public class Boolean

{

public static void Main()

{

bool status = true;

Console.WriteLine(status);

}

}

}

11.charcter

using System;

namespace P1

{

public class Char

{

public static void Main()

{

char c = 'a';

Console.WriteLine(\a);

}

}

}

# Practical-2

AIM:GTU Programs

1. **Write console based program in code behind language VB or C# to print following pattern.**

@ @ @ @ @

@ @ @ @

@ @ @

@ @

@

using System;

namespace Pattern

{

class PatternExample

{

public static void Main()

{

int i,j=5;

for (; j > 0; j--)

{

for (i = j; i > 0; i--)

Console.Write("@ ");

Console.WriteLine();

}

}

}

}

**2. Write console based program in code behind language VB or C# to print following pattern.**

1

1 2

1 2 3

1 2 3 4

using System;

namespace Pattern

{

class patternExample

{

public static void Main()

{

int i, j;

for (j = 1; j < 5; j++)

{

for (i = 1; i <= j; i++)

Console.Write(i + " ");

Console.WriteLine();

}

}

}

}

**3. Write C# code to prompt a user to input his/her name and country name and then the output will be shown as an example below:**

**Hello Ram from country India**

using System;

public class userdata

{

public static void Main()

{

string name, country;

Console.Write("Enter Your Name: ");

name = Console.ReadLine();

Console.Write("Enter Your Country: ");

country = Console.ReadLine();

Console.WriteLine("Hello " + name + " from country " + country);

}

}

**4. What is inheritance? Create C# console application to define Car class and derive Maruti and Mahindra from it to demonstrate inheritance.**

**using System;**

public class Car

{

protected string name;

public Car(string name)

{

this.name = name;

}

public Car()

{

}

public virtual string Name

{

get{return name;}

set

{

if(value.Length>3)

name = value;

else

name="Unknown";

}

}

}

public class Maruti : Car

{

public Maruti(string name) : base(name)

{

}

public override string Name

{

get{return name;}

set

{

if(value.Length>3)

name = value + " -Maruti";

else

name="Unknown";

}

}

public bool haveAGS;

}

public class Mahindra : Car

{

public Mahindra(string name) : base(name)

{

}

public Mahindra(){}

public override string Name

{

get{return name;}

set

{

if(value.Length>3)

name = value + " -Mahindra";

else

name="Unknown";

}

}

}

public class Program

{

public static void Main()

{

Maruti car1 = new Maruti("Swift");

car1.haveAGS = true;

car1.Name = "Swift";

Console.WriteLine("Details Car 1: {0} and {1}",car1.Name,car1.haveAGS==true?"Have AGS":"not Have AGS");

Mahindra car2 = new Mahindra();

car2.Name = "XUV500";

Console.WriteLine("Car 2: {0}",car2.Name);

}

}

# Practical-3

AIM : Metod & Constructor Overloading

1. **Write a c# program to add two integers, two vectors and two metric using method overloading.**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace p3

{

public class Add

{

public void add()

{

int[,] m1 = new int[50, 50];

int[,] m2 = new int[50, 50];

int[,] m3 = new int[50, 50];

Console.WriteLine("enter size of array:");

int size = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("enter first array:");

for (int i = 0; i < size; i++)

{

for (int j = 0; j < size; j++)

{

m1[i, j] = Convert.ToInt32(Console.ReadLine());

}

}

Console.WriteLine("enter second array:");

for (int i = 0; i < size; i++)

{

for (int j = 0; j < size; j++)

{

m2[i, j] = Convert.ToInt32(Console.ReadLine());

}

}

for (int i = 0; i < size; i++)

{

for (int j = 0; j < size; j++)

{

m3[i, j] = m1[i, j] + m2[i, j];

}

}

Console.WriteLine("addition array:");

for (int i = 0; i < size; i++)

{

Console.Write("\n");

for (int j = 0; j < size; j++)

{

Console.Write("{0}\t", m3[i, j]);

}

Console.Write("\n");

}

}

public int add(int a, int b)

{

return (a + b);

}

}

public class Vector

{

public void add()

{

Console.WriteLine("enter first vector");

int x = Convert.ToInt32(Console.ReadLine());

int y = Convert.ToInt32(Console.ReadLine());

int z = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("enter second vector");

int x1 = Convert.ToInt32(Console.ReadLine());

int y1 = Convert.ToInt32(Console.ReadLine());

int z1 = Convert.ToInt32(Console.ReadLine());

int x2 = x + x1;

int y2 = y + y1;

int z2 = z + z1;

Console.WriteLine("<" + x2 + "," + y2 + "," + z2 + ">");

}

}

class Program

{

static void Main(string[] args)

{

Add a1 = new Add();

Vector v1 = new Vector();

v1.add();

a1.add();

int res=a1.add(1, 2);

Console.Write("method overloading for addtion{0}",res);

Console.ReadLine();

}

}}

**2. Write a c# program that create student object. Overload constor to create new instant with following details.**

**1. Name**

**2. Name, Enrollment**

**3. Name, Enrollment, Branch**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Reflection;

namespace p3a1

{

class Program

{

public int ID { get; set; }

public string Name { get; set; }

String name, branch;

int enrol;

public Program(String name)

{

this.name = name;

Console.WriteLine("constructor 1:" + name);

}

public Program(String name, int enrol)

{

this.name = name;

this.enrol = enrol;

Console.WriteLine("constructor 2:" + name + " " + enrol);

}

public Program(String name, int enrol, String branch)

{

this.name = name;

this.enrol = enrol;

this.branch = branch;

Console.WriteLine("constructor 3:" + name + " " + enrol + " " + branch);

}

static void Main(string[] args)

{

Program p1 = new Program("bob");

Program p2 = new Program("bob", 1);

Program p3 = new Program("bob", 1, "computer");

Console.ReadLine(); } }

# Practical-4

AIM:find Methods, Properties and Constructors from class of running program

**1. Create a c# program to find Methods, Properties and Constructors from class of running program.(Use Class from previous practical)**

Using System;

using System.Reflection;

namespace ReflectionExample

{

class MainClass

{

static void Main()

{

Type T = Type.GetType("ReflectionExample.Customer");

MethodInfo[] methods = T.GetMethods();

foreach (MethodInfo method in methods)

{

Console.WriteLine(method.ReturnType + " " + method.Name);

}

PropertyInfo[] properties = T.GetProperties();

Console.WriteLine("\nProperties");

foreach (PropertyInfo property in properties)

{

Console.WriteLine(property.PropertyType+" "+ property.Name);

}

Console.WriteLine("\nConstructors");

ConstructorInfo[] constructors = T.GetConstructors();

foreach (ConstructorInfo constructor in constructors)

{

Console.WriteLine(constructor.ToString());

}

}

}

class Customer

{

public int ID { get; set; }

public string Name { get; set; }

public Customer(int ID, string Name)

{

this.ID = ID;

this.Name = Name;

}

public Customer()

{

this.ID = -1;

this.Name = string.Empty;

}

public void printID()

{

Console.WriteLine("ID is: {0}", this.ID);

}

public void printName()

{

Console.WriteLine("Name is: {0}", this.Name);

}

}

}

# Practical-5

AIM : HANDLING FILE

**1. Write a C# program to copy data from one file to another using StreamReader and StreamWriter class.**

using System;

using System.IO;

class CopyFile

{

public static void Main()

{

string file1 = @"abc.txt";

string file2 = @"xyz.txt";

using (StreamReader reader = new StreamReader(file1))

using (StreamWriter writer = new StreamWriter(file2))

writer.Write(reader.ReadToEnd());

}

}

**2. Write a C# Program to Read Lines from a File until the End of File is Reached.**

using System;

using System.IO;

public class CopyFileContain

{

public void copyFile(string file1, string file2)

{

using(StreamReader reader = new StreamReader(file1))

using (StreamWriter writer = new StreamWriter(file2))

{

string line = null;

while ((line = reader.ReadLine()) != null)

writer.WriteLine(line);

}

}

}

class Copy

{

public static void Main()

{

CopyFile cf = new CopyFile();

string file1 = @"F:\assignment\1.txt";

string file2 = @"F:\assignment\2.txt";

cf.copyFile(file1,file2);

}

}

**3. Write a C# Program to List Files in a Directory.**

using System;

using System.IO;

class MyClass

{

public static void Main()

{

string[] Directories = Directory.GetDirectories(@"F:\assignment\DOT NET\Topics");

foreach (string dir in Directories)

Console.WriteLine(dir);

string[] files = Directory.GetFiles(@"F:\assignment\DOT NET\Topics");

foreach (string file in files)

Console.WriteLine(file);

}

}

# Practical-6

AIM: Create Windows Form Application for Student Registration and store student Details in DataBase.

Namespace StudentReistration

{

partial class Form1

{

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

private void InitializeComponent()

{

this.groupBox1 = new System.Windows.Forms.GroupBox();

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.txtFname = new System.Windows.Forms.TextBox();

this.tctMname = new System.Windows.Forms.TextBox();

this.txtLname = new System.Windows.Forms.TextBox();

this.radioButton1 = new System.Windows.Forms.RadioButton();

this.rdoFemale = new System.Windows.Forms.RadioButton();

this.imgStudent = new System.Windows.Forms.PictureBox();

this.btnImage = new System.Windows.Forms.Button();

this.label3 = new System.Windows.Forms.Label();

this.txtMobile = new System.Windows.Forms.TextBox();

this.label4 = new System.Windows.Forms.Label();

this.txtEmail = new System.Windows.Forms.TextBox();

this.label5 = new System.Windows.Forms.Label();

this.dateDob = new System.Windows.Forms.DateTimePicker();

this.openFileDialog1 = new System.Windows.Forms.OpenFileDialog();

this.btnSave = new System.Windows.Forms.Button();

this.btnCancel = new System.Windows.Forms.Button();

this.groupBox1.SuspendLayout();

((System.ComponentModel.ISupportInitialize)(this.imgStudent)).BeginInit();

this.SuspendLayout();

//

// groupBox1

//

this.groupBox1.Controls.Add(this.dateDob);

this.groupBox1.Controls.Add(this.btnImage);

this.groupBox1.Controls.Add(this.rdoFemale);

this.groupBox1.Controls.Add(this.imgStudent);

this.groupBox1.Controls.Add(this.radioButton1);

this.groupBox1.Controls.Add(this.txtLname);

this.groupBox1.Controls.Add(this.tctMname);

this.groupBox1.Controls.Add(this.txtEmail);

this.groupBox1.Controls.Add(this.txtMobile);

this.groupBox1.Controls.Add(this.txtFname);

this.groupBox1.Controls.Add(this.label4);

this.groupBox1.Controls.Add(this.label5);

this.groupBox1.Controls.Add(this.label3);

this.groupBox1.Controls.Add(this.label2);

this.groupBox1.Controls.Add(this.label1);

this.groupBox1.ForeColor = System.Drawing.SystemColors.ButtonHighlight;

this.groupBox1.Location = new System.Drawing.Point(24, 23);

this.groupBox1.Name = "groupBox1";

this.groupBox1.Size = new System.Drawing.Size(600, 174);

this.groupBox1.TabIndex = 0;

this.groupBox1.TabStop = false;

this.groupBox1.Text = "Personal Details";

//

// label1

//

this.label1.AutoSize = true;

this.label1.ForeColor = System.Drawing.SystemColors.ButtonHighlight;

this.label1.Location = new System.Drawing.Point(25, 25);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(38, 13);

this.label1.TabIndex = 0;

this.label1.Text = "Name:";

this.label1.TextAlign = System.Drawing.ContentAlignment.MiddleRight;

//

// label2

//

this.label2.AutoSize = true;

this.label2.ForeColor = System.Drawing.SystemColors.ButtonHighlight;

this.label2.Location = new System.Drawing.Point(18, 61);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(45, 13);

this.label2.TabIndex = 1;

this.label2.Text = "Gender:";

this.label2.TextAlign = System.Drawing.ContentAlignment.MiddleRight;

//

// txtFname

//

this.txtFname.Location = new System.Drawing.Point(70, 21);

this.txtFname.Name = "txtFname";

this.txtFname.Size = new System.Drawing.Size(119, 20);

this.txtFname.TabIndex = 2;

//

// tctMname

//

this.tctMname.Location = new System.Drawing.Point(195, 21);

this.tctMname.Name = "tctMname";

this.tctMname.Size = new System.Drawing.Size(119, 20);

this.tctMname.TabIndex = 2;

//

// txtLname

//

this.txtLname.Location = new System.Drawing.Point(320, 21);

this.txtLname.Name = "txtLname";

this.txtLname.Size = new System.Drawing.Size(119, 20);

this.txtLname.TabIndex = 2;

//

// radioButton1

//

this.radioButton1.AutoSize = true;

this.radioButton1.ForeColor = System.Drawing.SystemColors.ButtonHighlight;

this.radioButton1.Location = new System.Drawing.Point(81, 59);

this.radioButton1.Name = "radioButton1";

this.radioButton1.Size = new System.Drawing.Size(48, 17);

this.radioButton1.TabIndex = 3;

this.radioButton1.TabStop = true;

this.radioButton1.Text = "Male";

this.radioButton1.UseVisualStyleBackColor = true;

//

// rdoFemale

//

this.rdoFemale.AutoSize = true;

this.rdoFemale.ForeColor = System.Drawing.SystemColors.ButtonHighlight;

this.rdoFemale.Location = new System.Drawing.Point(134, 59);

this.rdoFemale.Name = "rdoFemale";

this.rdoFemale.Size = new System.Drawing.Size(59, 17);

this.rdoFemale.TabIndex = 3;

this.rdoFemale.TabStop = true;

this.rdoFemale.Text = "Female";

this.rdoFemale.UseVisualStyleBackColor = true;

//

// imgStudent

//

this.imgStudent.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;

this.imgStudent.Location = new System.Drawing.Point(483, 19);

this.imgStudent.Name = "imgStudent";

this.imgStudent.Size = new System.Drawing.Size(95, 113);

this.imgStudent.TabIndex = 1;

this.imgStudent.TabStop = false;

//

// btnImage

//

this.btnImage.ForeColor = System.Drawing.SystemColors.ActiveCaptionText;

this.btnImage.Location = new System.Drawing.Point(483, 138);

this.btnImage.Name = "btnImage";

this.btnImage.Size = new System.Drawing.Size(95, 23);

this.btnImage.TabIndex = 2;

this.btnImage.Text = "Upload Photo";

this.btnImage.UseVisualStyleBackColor = true;

this.btnImage.Click += new System.EventHandler(this.btnImage\_Click);

//

// label3

//

this.label3.AutoSize = true;

this.label3.ForeColor = System.Drawing.SystemColors.ButtonHighlight;

this.label3.Location = new System.Drawing.Point(22, 99);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(41, 13);

this.label3.TabIndex = 1;

this.label3.Text = "Mobile:";

this.label3.TextAlign = System.Drawing.ContentAlignment.MiddleRight;

//

// txtMobile

//

this.txtMobile.Location = new System.Drawing.Point(70, 95);

this.txtMobile.Name = "txtMobile";

this.txtMobile.Size = new System.Drawing.Size(119, 20);

this.txtMobile.TabIndex = 2;

//

// label4

//

this.label4.AutoSize = true;

this.label4.ForeColor = System.Drawing.SystemColors.ButtonHighlight;

this.label4.Location = new System.Drawing.Point(210, 98);

this.label4.Name = "label4";

this.label4.Size = new System.Drawing.Size(35, 13);

this.label4.TabIndex = 1;

this.label4.Text = "Email:";

this.label4.TextAlign = System.Drawing.ContentAlignment.MiddleRight;

//

// txtEmail

//

this.txtEmail.Location = new System.Drawing.Point(255, 94);

this.txtEmail.Name = "txtEmail";

this.txtEmail.Size = new System.Drawing.Size(184, 20);

this.txtEmail.TabIndex = 2;

//

// label5

//

this.label5.AutoSize = true;

this.label5.ForeColor = System.Drawing.SystemColors.ButtonHighlight;

this.label5.Location = new System.Drawing.Point(22, 138);

this.label5.Name = "label5";

this.label5.Size = new System.Drawing.Size(31, 13);

this.label5.TabIndex = 1;

this.label5.Text = "DoB:";

this.label5.TextAlign = System.Drawing.ContentAlignment.MiddleRight;

//

// dateDob

//

this.dateDob.Location = new System.Drawing.Point(70, 138);

this.dateDob.Name = "dateDob";

this.dateDob.Size = new System.Drawing.Size(200, 20);

this.dateDob.TabIndex = 4;

//

// openFileDialog1

//

this.openFileDialog1.FileName = "openFileDialog1";

//

// btnSave

//

this.btnSave.Location = new System.Drawing.Point(433, 406);

this.btnSave.Name = "btnSave";

this.btnSave.Size = new System.Drawing.Size(75, 23);

this.btnSave.TabIndex = 1;

this.btnSave.Text = "Save";

this.btnSave.UseVisualStyleBackColor = true;

this.btnSave.Click += new System.EventHandler(this.btnSave\_Click);

//

// btnCancel

//

this.btnCancel.Location = new System.Drawing.Point(527, 406);

this.btnCancel.Name = "btnCancel";

this.btnCancel.Size = new System.Drawing.Size(75, 23);

this.btnCancel.TabIndex = 1;

this.btnCancel.Text = "Cancel";

this.btnCancel.UseVisualStyleBackColor = true;

this.btnCancel.Click += new System.EventHandler(this.btnCancel\_Click);

//

// Form1

//

this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.BackColor = System.Drawing.SystemColors.Desktop;

this.ClientSize = new System.Drawing.Size(637, 495);

this.Controls.Add(this.btnCancel);

this.Controls.Add(this.btnSave);

this.Controls.Add(this.groupBox1);

this.Name = "Form1";

this.Text = "Student Registration";

this.groupBox1.ResumeLayout(false);

this.groupBox1.PerformLayout();

((System.ComponentModel.ISupportInitialize)(this.imgStudent)).EndInit();

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.GroupBox groupBox1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.Label label1;

private System.Windows.Forms.RadioButton rdoFemale;

private System.Windows.Forms.RadioButton radioButton1;

private System.Windows.Forms.TextBox txtLname;

private System.Windows.Forms.TextBox tctMname;

private System.Windows.Forms.TextBox txtFname;

private System.Windows.Forms.PictureBox imgStudent;

private System.Windows.Forms.Button btnImage;

private System.Windows.Forms.TextBox txtMobile;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.TextBox txtEmail;

private System.Windows.Forms.Label label4;

private System.Windows.Forms.DateTimePicker dateDob;

private System.Windows.Forms.Label label5;

private System.Windows.Forms.OpenFileDialog openFileDialog1;

private System.Windows.Forms.Button btnSave;

private System.Windows.Forms.Button btnCancel;

}

}

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;

using System.IO;

namespace StudentReistration

{

public partial class Form1 : Form

{

string imgPath;

public Form1()

{

InitializeComponent();

}

private void radioButton2\_CheckedChanged(object sender,EventArgs e)

{

}

private void btnImage\_Click(object sender, EventArgs e)

{

openFileDialog1.Filter = "Jpg|\*.jpg";

if (openFileDialog1.ShowDialog() == DialogResult.OK)

{

imgPath = @"C:\Users\CRP\Desktop\Images\"+ openFileDialog1.SafeFileName;

imgStudent.Image = Image.FromFile(openFileDialog1.FileName);

//MessageBox.Show(imgPath);

}

}

private void btnCancel\_Click(object sender, EventArgs e)

{

Environment.Exit(0);

}

private void btnSave\_Click(object sender, EventArgs e)

{

string source = @"Data Source=crp-pc\mydatabase;Initial Catalog=temp1;Integrated Security=True";

string select = "select count(\*) from tblStudent";

SqlConnection conn = new SqlConnection(source);

SqlCommand cmd = new SqlCommand(select, conn);

conn.Open();

int i = Convert.ToInt16(cmd.ExecuteScalar());

int pkStudent = i + 1;

string insert = "insert into tblStudent (pkStudent, fName,dob, imgStudent) values ( "+pkStudent+",'"+txtFname.Text+"','"+dateDob.Value.Date +"','" + (imgPath==null?"":imgPath) +"' )";

cmd = new SqlCommand(insert,conn);

i = cmd.ExecuteNonQuery();

if(imgPath!=null)

imgStudent.Image.Save(imgPath);

MessageBox.Show("You are Done!!!");

InitializeComponent();

}

}

Using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace StudentReistration

{

static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new Form1());

}

}

}

}

# Practical-7

Aim : ASP.NET Validation Control RequiredFieldValidator,CompareValidator,RegularExpressionValidator ,CustomValidator,RangeValidator,ValidationSummary .

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="WebApplication5.\_Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<table>

<tr>

<td>

<asp:Label ID="Label1" runat="server" Text="Name:"></asp:Label>&nbsp;&nbsp;

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

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ForeColor="Red"

ControlToValidate="txtName"

ErrorMessage="RequiredFieldValidator">

</asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td>

<asp:Label ID="Label2" runat="server" Text="Age:"></asp:Label>

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

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"

Display="Dynamic"

ForeColor="Red"

ControlToValidate="txtAge"

ErrorMessage="RequiredFieldValidator"></asp:RequiredFieldValidator>

<asp:RangeValidator ID="RangeValidator1" runat="server"

ControlToValidate="txtAge"

ForeColor="red"

MinimumValue="18"

MaximumValue="30"

Display="Dynamic"

Type="Integer"

ErrorMessage="RangeValidator"></asp:RangeValidator>

<br />

<br />

<asp:Label ID="Label4" runat="server" Text="Password"></asp:Label>

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

</td>

</tr>

<tr>

<td>

<asp:Label ID="Label3" runat="server" Text="confirm password"></asp:Label>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<asp:CompareValidator ID="CompareValidator1" runat="server"

ControlToCompare="TextBox2" ControlToValidate="TextBox1"

ErrorMessage="not comprae"></asp:CompareValidator>

</td>

</tr>

<tr>

<td>

&nbsp;Email

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"

ControlToValidate="TextBox3" ErrorMessage="please enter right email address"

ValidationExpression="\w+([-+.']\w+)\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*"></asp:RegularExpressionValidator>

&nbsp;</td>

</tr>

</table>

</div>

<p>

<asp:Button ID="btnSave" runat="server" Text="Save" />

</p>

</form>

</body>

</html>

# Practical-8

AIM :Introduction to Mater Page

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class Site2 : System.Web.UI.MasterPage

{

protected void Page\_Load(object sender, EventArgs e)

{

}

public Label LblHeader

{

get

{

return Label1;

}

}

}

}

//Site1.master.designer.cs

namespace WebApplication1 {

public partial class Site2 {

/// <summary>

/// head control.

/// </summary>

/// <remarks>

/// Auto-generated field.

/// To modify move field declaration from designer file to code-behind file.

/// </remarks>

protected global::System.Web.UI.WebControls.ContentPlaceHolder head;

/// <summary>

/// form1 control.

/// </summary>

/// <remarks>

/// Auto-generated field.

/// To modify move field declaration from designer file to code-behind file.

/// </remarks>

protected global::System.Web.UI.HtmlControls.HtmlForm form1;

/// <summary>

/// Label1 control.

/// </summary>

/// <remarks>

/// Auto-generated field.

/// To modify move field declaration from designer file to code-behind file.

/// </remarks>

protected global::System.Web.UI.WebControls.Label Label1;

/// <summary>

/// ContentPlaceHolder1 control.

/// </summary>

/// <remarks>

/// Auto-generated field.

/// To modify move field declaration from designer file to code-behind file.

/// </remarks>

protected global::System.Web.UI.WebControls.ContentPlaceHolder ContentPlaceHolder1;

}

}

// WebForm1.aspx

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class WebForm4 : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

((Site2)Master).LblHeader.Text = TextBox1.Text;

}

}

}

// WebForm4.aspx.designer

namespace WebApplication1 {

public partial class WebForm4 {

/// <summary>

/// TextBox1 control.

/// </summary>

/// <remarks>

/// Auto-generated field.

/// To modify move field declaration from designer file to code-behind file.

/// </remarks>

protected global::System.Web.UI.WebControls.TextBox TextBox1;

/// <summary>

/// Button1 control.

/// </summary>

/// <remarks>

/// Auto-generated field.

/// To modify move field declaration from designer file to code-behind file.

/// </remarks>

protected global::System.Web.UI.WebControls.Button Button1;

}

}