**Slip 1:**

**A)**

Write a VB.Net Program to display the numbers continuously in TextBox by clicking

on Button.

PublicClassForm1

PrivateSub Button1\_Click(sender AsObject, e AsEventArgs) Handles Button1.Click

TextBox1.Text = 1

Timer1.Start()

EndSub

PrivateSub Timer1\_Tick(sender AsObject, e AsEventArgs) Handles Timer1.Tick

TextBox1.Text = TextBox1.Text + 1

EndSub

EndClass

**B)**

Write a VB.Net program to accept the details of Employee (ENO, EName Salary)

and store it into the database and display it on gridview control.

Step1: Create an empty table with employee

Step2: Design a Form

Step3: Write code on button click

Imports System.Data.OleDb

Public Class Form1

Dim con As OleDbConnection

Dim cmd As OleDbCommand

Dim adpt As OleDbDataAdapter

Dim ds As New DataSet

Dim str1 As String

Dim cnt As Integer

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

con = New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data

Source=C:\Users\Lenovo\Documents\slip1\_2.accdb")

con.Open()

str1 = "insert into employee values(" & CInt(TextBox1.Text) & ",'" & TextBox2.Text &

"','" & TextBox3.Text & "')"

cmd = New OleDbCommand(str1, con)

cnt = cmd.ExecuteNonQuery()

MsgBox(cnt & " row inserted")

End Sub

Private Sub Button2\_Click(sender As Object, e As EventArgs) Handles Button2.Click

cmd = New OleDbCommand("select \* from employee ", con)

adpt = New OleDbDataAdapter(cmd)

adpt.Fill(ds, "emp")

DataGridView1.DataSource = ds

DataGridView1.DataMember = "emp"

End Sub

End Class

**Slip 2:**

**A)**

Write a Vb.Net program to move the Text “Pune University” continuously from Left

to Right and Vice Versa.

PublicClassForm2

PrivateSub Form2\_Load(sender AsObject, e AsEventArgs) HandlesMyBase.Load

Timer1.Start()

EndSub

PrivateSub Timer1\_Tick(sender AsObject, e AsEventArgs) Handles Timer1.Tick

If Label1.Left > 500 Then

Label1.Left = 10

EndIf

Label1.Left = Label1.Left + 10

EndSub

EndClass

**B )**

Write a C#.Net program to create a base class Department and derived classes Sales

and Human Resource. Accept the details of both departments and display them in

proper format.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Slip2\_2

{

class Dept

{

string cname;

public void get\_cname()

{

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

cname = Console.ReadLine();

}

public void display\_cname()

{

Console.WriteLine("Company Name is : " + cname);

}

}

class Sales : Dept

{

int s\_eno;

string s\_ename;

public void get\_sales()

{

Console.Write("Enter Eno: ");

s\_eno = Convert.ToInt32(Console.ReadLine());

Console.Write("Enter EName: ");

s\_ename = Console.ReadLine();

}

public void display\_sales()

{

Console.WriteLine("Eno is : " + s\_eno);

Console.WriteLine("Ename is : " + s\_ename);

}

}

class HR : Dept

{

int hr\_eno;

string hr\_ename;

public void get\_hr()

{

Console.Write("Enter Eno: ");

hr\_eno = Convert.ToInt32(Console.ReadLine());

Console.Write("Enter EName: ");

hr\_ename = Console.ReadLine();

}

public void display\_hr()

{

Console.WriteLine("Eno is : " + hr\_eno);

Console.WriteLine("Ename is : " + hr\_ename);

}

}

class Program

{

static void Main(string[] args)

{

Sales s1 = new Sales();

s1.get\_cname();

s1.get\_sales();

s1.display\_cname();

s1.display\_sales();

Console.WriteLine();

HR h1 = new HR();

h1.get\_cname();

h1.get\_hr();

h1.display\_cname();

h1.display\_hr();

Console.ReadKey();

}

}

}

**Slip 4:**

**A)**

Design a VB.net form to pick a date from DateTimePicker Control and display day,

month and year in separate text boxes.

PublicClassForm3

PrivateSub DateTimePicker1\_ValueChanged(sender AsObject, e AsEventArgs) Handles

DateTimePicker1.ValueChanged

TextBox1.Text = DateTimePicker1.Value.Day

TextBox2.Text = DateTimePicker1.Value.Month

TextBox3.Text = DateTimePicker1.Value.Year

EndSub

EndClass

**B)**

Create a web application to insert 3 records inside the SQL database table having

following fields ( DeptId, DeptName, EmpName, Salary). Update the salary for any one

employee and increment it to 15% of the present salary. Perform delete operation on

one row of the database table.

Step1: Create Empty table in the database

Step2: Design a Form

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data.OleDb;

namespace Slip4\_2

{

public partial class WebForm1 : System.Web.UI.Page

{

OleDbConnection con = new

OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data

Source=C:\\Users\\Lenovo\\Documents\\Slip4\_2.accdb");

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

{

con.Open();

}

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

{

string sql1 = "insert into Dept values(" + Convert.ToInt32(TextBox1.Text) + ",'" +

TextBox2.Text + "','" + TextBox3.Text + "'," + TextBox4.Text + ")";

OleDbCommand cmd = new OleDbCommand(sql1, con);

int cnt = cmd.ExecuteNonQuery();

Label5.Text = cnt + " row inserted";

}

protected void Button2\_Click(object sender, EventArgs e)

{

string sql2 = "update Dept set Salary = Salary+ (Salary\*0.15) where

EmpName='Shyam'";

OleDbCommand cmd = new OleDbCommand(sql2, con);

int cnt1=cmd.ExecuteNonQuery();

Label5.Text = cnt1 + " row updated";

}

protected void Button3\_Click(object sender, EventArgs e)

{

string sql2 = "delete from Dept where EmpName='Shyam'";

OleDbCommand cmd = new OleDbCommand(sql2, con);

int cnt2 = cmd.ExecuteNonQuery();

Label5.Text = cnt2 + " row deleted";

}

}

}

**Slip 6:**

**A)**

Write ASP.Net program that displays the names of some flowers in two columns.

Bind a label to the RadioButtonList so that when the user selects an option from the list

and clicks on a button, the label displays the flower selected by the user.

Form Design:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"

Inherits="Slip6\_1.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<script language="C#" runat="server">

void Btn\_Click(Object sender, EventArgs e)

{

Page.DataBind();

}

</script>

</head>

<body>

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

<div>

<asp:RadioButtonList id="Flower" repeatcolumns=2 runat="server" size=3>

<asp:ListItem>Jasmine</asp:ListItem>

<asp:ListItem>Rose</asp:ListItem>

<asp:ListItem>Lotus</asp:ListItem>

<asp:ListItem>Lily</asp:ListItem>

<asp:ListItem>Daisy</asp:ListItem>

<asp:ListItem>Dahlia</asp:ListItem>

</asp:RadioButtonList>

<br /><br />

<asp:button Text="Submit" OnClick="Btn\_Click" runat="server"/>

<br /><br />

Your favourite flower is: <asp:label text='<%# Flower.SelectedItem.Text %>'

runat="server"/>

</div>

</form>

</body>

</html>

OUTPUT:

**B)**

Write a VB.NET program to create movie table (Mv\_Name, Release\_year, Director).

Insert the records (Max: 5). Delete the records of movies whose release year is 2022 and

display appropriate message in message box.

Step1: Create table

Step2: Design a form

Step3: Write Code on Delete Button Click

Imports System.Data.OleDb

Public Class Form1

Dim con As OleDbConnection

Dim cmd As OleDbCommand

Dim str1 As String

Dim cnt As Integer

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

con = New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data

Source=C:\Users\Lenovo\Documents\Slip6\_2.accdb")

con.Open()

str1 = "delete from movie where ryear=" & TextBox1.Text

cmd = New OleDbCommand(str1, con)

cnt = cmd.ExecuteNonQuery()

MsgBox(cnt & " row deleted")

End Sub

End Class

OUTPUT:

**Slip 12:**

**A)**

Write ASP.Net program that displays a button in green color and it should change

into yellow when the mouse moves over it.

Form Design:

Code:

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"

Inherits="Slip12\_1.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<h3> Move The Mouse Over Button </h3>

<asp:button id="Button2" OnServerClick="Button2\_Click" text="Click me too!"

style="background-color:lightgreen"

onmouseover="this.style.backgroundColor='yellow'"

onmouseout="this.style.backgroundColor='lightgreen'" runat="server"/>

</div>

</form>

</body>

</html>

**B)**

Write a VB.NET program to create player table (PID, PName, Game,

no\_of\_matches). Insert records and update number of matches of ‘Rohit Sharma’ and

display result in data grid view.

Step1: Create table Player & Insert records

Step2: Design Form

Step3: Write Code

Imports System.Data.OleDb

Public Class Form1

Dim con As OleDbConnection

Dim cmd As OleDbCommand

Dim adpt As OleDbDataAdapter

Dim ds As New DataSet

Dim str1 As String

Dim cnt As Integer

Private Sub Form1\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

con = New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data

Source=C:\Users\Lenovo\Documents\Slip12\_2.accdb")

con.Open()

End Sub

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

str1 = "update player set no\_of\_matches=" & TextBox1.Text & " where pname='Rohit

Sharma'"

cmd = New OleDbCommand(str1, con)

cnt = cmd.ExecuteNonQuery()

MsgBox(cnt & " row updated")

End Sub

Private Sub Button2\_Click(sender As Object, e As EventArgs) Handles Button2.Click

str1 = "select \* from player"

cmd = New OleDbCommand(str1, con)

adpt = New OleDbDataAdapter(cmd)

adpt.Fill(ds, "player")

DataGridView1.DataSource = ds

DataGridView1.DataMember = "player"

End Sub

End Class

OUTPUT:

Before Update:

After Update:

**Slip 13:**

**A)**

Write a VB.net program for blinking an image.

Public Class Form4

Private Sub Form4\_Load(sender AsObject, e AsEventArgs) HandlesMyBase.Load

Timer1.Start()

End Sub

Private Sub Timer1\_Tick(sender AsObject, e AsEventArgs) Handles Timer1.Tick

If PictureBox1.Visible = TrueThen

PictureBox1.Visible = False

Else

PictureBox1.Visible = True

End If

End Sub

End Class

**B)** Write a C# Program to accept and display ‘n’ student’s details such as Roll. No,

Name, marks in three subjects, using class. Display percentage of each student.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Slip13\_2

{

class Student

{

int rollno;

string name;

int marks1;

int marks2;

int marks3;

public Student(int rno, string nm, int m1, int m2, int m3)

{

rollno = rno;

name = nm;

marks1 = m1;

marks2 = m2;

marks3 = m3;

}

public void display()

{

Console.WriteLine("Student Record: ");

Console.WriteLine("\tRollNo : " + rollno);

Console.WriteLine("\tName : " + name);

Console.WriteLine("\tMarks1 : " + marks1);

Console.WriteLine("\tMarks2 : " + marks2);

Console.WriteLine("\tMarks3 : " + marks3);

int total = marks1 + marks2 + marks3;

double per = (double)total / 300 \*100;

Console.WriteLine("\tPercentage : " + per);

}

}

class Program

{

static void Main(string[] args)

{

Student[] S = new Student[3];

S[0] = new Student(1,"Ram",88,75,89);

S[1] = new Student(2, "Shyam", 80, 70, 90);

S[2] = new Student(3, "Meena", 85, 88, 91);

S[0].display();

S[1].display();

S[2].display();

Console.ReadKey();

}

}

}

**Slip 14:**

**A)**

Write a program in C#.Net to find the sum of all elements of the array.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Slip14\_1

{

class Program

{

static void Main(string[] args)

{

int[] arr = new int[7];

int sum = 0;

Console.WriteLine("Enter 7 elements in an array : ");

for (int i = 0; i < 7; i++)

{

arr[i]=Convert.ToInt32(Console.ReadLine());

}

for (int i=0;i<7;i++)

{

sum = sum + arr[i];

}

Console.WriteLine("Sum of array elements is : " + sum);

Console.ReadKey();

}

}

}

**B)**

Write a C#.Net Program to define a class Person having members –name, address.

Create a subclass called employee with member staffed, salary. Create ‘n’ objects of the

Employee class and display all the details of the Employee.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Slip14\_2

{

class person

{

string name, addr;

public void getdata()

{

Console.Write("Enter Name: ");

name = Console.ReadLine();

Console.Write("Enter Address: ");

addr = Console.ReadLine();

}

public void display()

{

Console.WriteLine("Name is : "+name);

Console.WriteLine("Address is : "+addr);

}

}

class employee : person

{

int staffid, salary;

public void getempdata()

{

Console.Write("Enter Staffid: ");

staffid =Convert.ToInt32( Console.ReadLine());

Console.Write("Enter Salary: ");

salary = Convert.ToInt32(Console.ReadLine());

}

public void displayemp()

{

Console.WriteLine("Staffid is : " + staffid);

Console.WriteLine("Salary is : " + salary);

}

}

class Program

{

static void Main(string[] args)

{

employee[] emp = new employee[3];

for(int i = 0; i < 3; i++)

{

emp[i] = new employee();

emp[i].getdata();

emp[i].getempdata();

}

for (int i = 0; i < 3; i++)

{

emp[i].display();

emp[i].displayemp();

}

Console.ReadKey();

}

}

}

**Slip 21:**

**A)**

Write a VB.NET program to accept sentences in text box and count the number of

words and display the count in message box.

Form Design:

Code:

Public Class Form1

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

Dim s1 As String

Dim wcnt As Integer = 0

For Each s1 In TextBox1.Text

If s1 = " " Then

wcnt = wcnt + 1

End If

Next

MsgBox("Word count in the sentense is : " & wcnt)

End Sub

End Class

**B)**

Write ASP.Net application for the following:

1. Create a table EMP(eno, ename, edesignation, salary, joindate)

2. Insert a Record.

3. Update a record

Web Form Design:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Data.OleDb;

namespace Slip4\_2

{

public partial class WebForm1 : System.Web.UI.Page

{

OleDbConnection con = new

OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data

Source=C:\\Users\\Lenovo\\Documents\\Slip21\_2.accdb");

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

{

con.Open();

}

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

{

string sql1 = "insert into emp values(" + Convert.ToInt32(TextBox1.Text) + ",'" +

TextBox2.Text + "','" + TextBox3.Text + "'," + TextBox4.Text + ",'" + TextBox5.Text + "')";

OleDbCommand cmd = new OleDbCommand(sql1, con);

int cnt = cmd.ExecuteNonQuery();

Label8.Text = cnt + " row inserted";

}

protected void Button2\_Click(object sender, EventArgs e)

{

string sql2 = "update emp set Salary =" + TextBox7.Text + "where Empno="

TextBox4.Text;

OleDbCommand cmd = new OleDbCommand(sql2, con);

int cnt1=cmd.ExecuteNonQuery();

Label8.Text = cnt1 + " row updated";

}

}

}

**Slip 22:**

**A)**

Write a program in C# to create a function to swap the values of two integers.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Slip22\_1

{

class Program

{

static void swap(int a,int b)

{

int temp = a;

a = b;

b = temp;

Console.WriteLine(" After Swap : ");

Console.WriteLine(" a : " + a);

Console.WriteLine(" b : " + b);

}

static void Main(string[] args)

{

int a, b;

Console.Write(" Enter Value of a : ");

a = Convert.ToInt32(Console.ReadLine());

Console.Write(" Enter Value of b : ");

b = Convert.ToInt32(Console.ReadLine());

Console.WriteLine(" Before Swap : ");

Console.WriteLine(" a : " + a);

Console.WriteLine(" b : " + b);

swap(a, b);

Console.ReadKey();

}

}

}

OUTPUT:

**B)**

Write a Vb.net program to design the following form; it contains the three menus

Color (Red, Blue, and Green), Window (Maximize, Minimize, and Restore) and Exit.

On Selection of any menu or submenu result should affect the form control( for example

if user selected Red color from Color menu back color of form should get changed to

Red and if user selected Maximize from Window Menu then form should get

maximized).

Form Design: Drag MenuStrip Control on the form, Give names to the menus as per the

program.

Public Class Form1

Private Sub RedToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles

RedToolStripMenuItem.Click

Me.BackColor = Color.Red

End Sub

Private Sub BlueToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles

BlueToolStripMenuItem.Click

Me.BackColor = Color.Blue

End Sub

Private Sub GreenToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles

GreenToolStripMenuItem.Click

Me.BackColor = Color.Green

End Sub

Private Sub MaximiseToolStripMenuItem\_Click(sender As Object, e As EventArgs)

Handles MaximiseToolStripMenuItem.Click

Me.WindowState = FormWindowState.Maximized

End Sub

Private Sub MinimiseToolStripMenuItem\_Click(sender As Object, e As EventArgs)

Handles MinimiseToolStripMenuItem.Click

Me.WindowState = FormWindowState.Minimized

End Sub

Private Sub RestoreToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles

RestoreToolStripMenuItem.Click

Me.WindowState = FormWindowState.Normal

End Sub

Private Sub ExitToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles

ExitToolStripMenuItem.Click

End

End Sub

End Class

**Slip 29:**

**A)**

Write a program in C#.Net to separate the individual characters from a String.

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Slip29\_1

{

class Program

{

static void Main(string[] args)

{

string str1;

Console.WriteLine("Enter a String : ");

str1 = Console.ReadLine();

Console.WriteLine("Seperation of Individual Character : ");

foreach (char ch in str1)

{

Console.WriteLine(ch);

}

Console.ReadKey();

}

}

}

**B)**

Write a VB.NET program to accept the details of customer (CName, Contact No,

Email\_id). Store it into the database with proper validation and display appropriate

message by using Message box.

Imports System.Data.OleDb

Public Class Form1

Dim cn As New OleDbConnection

Dim cmd As New OleDbCommand

Dim dt As New DataTable

Dim dataadapter As New OleDbDataAdapter

Dim str As String

Dim n As Integer

Private Sub cmdNew\_Click(ByVal sender As System.Object, ByVal e As

System.EventArgs) Handles cmdNew.Click

txtCName.Clear()

txtContact.Clear()

txtEmail.Clear()

txtCName.Focus()

End Sub

Private Sub cmdSave\_Click(ByVal sender As System.Object, ByVal e As

System.EventArgs) Handles cmdSave.Click

Dim a As Integer

Dim r As String

a = Asc(txtCName.Text)

If a < 65 And a > 122 Then

MsgBox("Name is Invalid,only characters are allowed")

Exit Sub

Else

If Not IsNumeric(txtContact.Text) Then

MsgBox("Invalid Phone Number, only numbers are allowed")

Exit Sub

Else

r = InStr(1, txtEmail.Text, "@", vbTextCompare)

If r = 0 Then

MsgBox("Invalid Email")

txtEmail.Text = ""

txtEmail.Focus()

Exit Sub

Else

r = InStr(1, txtEmail.Text, ".", vbTextCompare)

If r = 0 Then

MsgBox("Invalid Email")

txtEmail.Text = ""

txtEmail.Focus()

Exit Sub

Else

cn = New OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data

Source=D:\VB.NET\slip26\customer.accdb")

cn.Open()

str = "insert into customer values('" & txtCName.Text & "','" & txtContact.Text & "','" &

txtEmail.Text & "')" cmd = New OleDb.OleDbCommand(str, cn)

n = cmd.ExecuteNonQuery

If (n > 0) Then

MsgBox("All fields are validated & Record Inserted Successfully")

End If

End If

End If

End If

End If

cn.Close()

End Sub

Private Sub cmdShow\_Click(ByVal sender As System.Object, ByVal e As

System.EventArgs) Handles cmdShow.Click

DataGridView1.DataSource = Nothing

cn = New OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data

Source=D:\VB.NET\slip26\customer.accdb")

cn.Open()

str = "select \* from customer"

cmd = New OleDb.OleDbCommand(str, cn)

dataadapter = New OleDb.OleDbDataAdapter(cmd)

dataadapter.Fill(dt)

DataGridView1.DataSource = dt

End Sub

End Class