Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

**03**

LIST OF TASKS

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| --- | --- |
| TASK NO | OBJECTIVE |
| **01** | **Create basic calculator application on Console Application that perform basic arithmetic operations like(add,subtract,multiply,divide ….)** |
| 02 | Create Winform application that authenticate user with hardcoded username and password if user authenticated new form will be open that takes user information as an input and on button click all information will be displayed in dialog box |

Submitted On:

**23 - 3 - 2023**

(Date: DD/MM/YY)

**TASK NO 1: Create basic calculator application on Console Application that perform basic arithmetic operations like(add,subtract,multiply,divide ….)**

**SOLUTION:**

static void Main(string[] args)

{

double num1, num2;

char op;

char ch;

Console.WriteLine("Enter first number: ");

num1 = Convert.ToDouble(Console.ReadLine());

Console.WriteLine("Enter second number: ");

num2 = Convert.ToDouble(Console.ReadLine());

Console.WriteLine("-----------------------------------------");

do

{

Console.WriteLine("Enter operator (+, -, \*, /): ");

op = Convert.ToChar(Console.ReadLine());

switch (op)

{

case '+':

Console.WriteLine("Your answer is :");

Console.WriteLine(num1 + num2);

break;

case '-':

Console.WriteLine("Your answer is :");

Console.WriteLine(num1 - num2);

break;

case '\*':

Console.WriteLine("Your answer is :");

Console.WriteLine(num1 \* num2);

break;

case '/':

if (num2 == 0)

Console.WriteLine("Cannot divide by zero");

else

Console.WriteLine("Your answer is :");

Console.WriteLine(num1 / num2);

break;

default:

Console.WriteLine("Your answer is :");

Console.WriteLine("Invalid operator");

break;

}

Console.WriteLine("IF YOU WANT TO DO AGAIN PRESS [y/N]");

ch= char.Parse(Console.ReadLine());

} while (ch=='y'||ch=='Y');

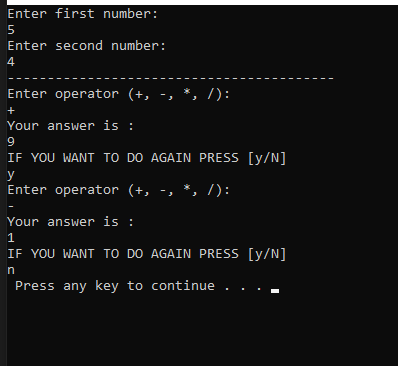
Console.ReadKey();

}

}

}

**OUTPUT:**

****

**TASK NO 2**Create Winform application that authenticate user with hardcoded username and password if user authenticated new form will be open that takes user information as an input and on button click all information will be displayed in dialog box

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void button2\_Click(object sender, EventArgs e)

{

string username="sabir",password="123";

if (username=="sabir" && password=="123")

{

MessageBox.Show("Login sucessfully...");

Form2 f = new Form2();

this.Hide();

f.Show(); }

else

{

MessageBox.Show("Login fail...");

} }

private void button1\_Click(object sender, EventArgs e)

{

MessageBox.Show("YOUR NAME: " + textBox2.Text + "\n" +

"YOUR CLASS: " + textBox3.Text + "\n" + "ENROLLMENT NO :" + textBox1.Text);

}

**}**

**OUTPUT:**

****

