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. |
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Submitted On:

24-03-2023

(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:**

Console.WriteLine("Enter First Number");

int num1=Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter Second Number");

int num2 = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter Operator");

String opt=Console.ReadLine();

if (opt == "+"){

Console.WriteLine("The addition of "+ num1 +" and " + num2 +" is "+(num1+num2));}

else if (opt == "-"){

Console.WriteLine("The addition of "+ num1 +" and " + num2 +" is "+(num1-num2));}

else if (opt == "\*"){

Console.WriteLine("The addition of " + num1 + " and " + num2 + " is " + (num1 \* num2));}

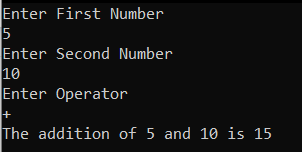
else if (opt == "/"){

Console.WriteLine("The addition of " + num1 + " and " + num2 + " is " + (num1 / num2));}

else{

Console.WriteLine("Enter Correct Operator");}

**Output:**

 Text

Description automatically generated Text

Description automatically generated Text

Description automatically generated

**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.

**Solution:**

**Form1:**

namespace WinFormsApp9{

public partial class Form1 : Form{

public Form1(){

InitializeComponent();}

static UserForm userForm = new UserForm();

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

if (textBox1.Text == "shoaib" && textBox2.Text == "shoaib"){

userForm.Show();

this.Hide();}

else{

MessageBox.Show("Incorrect Password", "Failed", MessageBoxButtons.OK, MessageBoxIcon.Error);}}}}

**UserName:**

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;

namespace WinFormsApp9{

public partial class UserForm : Form{

public UserForm(){

InitializeComponent();}

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

String UserName=textBox1.Text;

String Password=textBox2.Text;

String UserEmail=textBox3.Text;

String message= $"Name: {UserName} \n Email: {UserEmail} \n Password: {Password} \n";

MessageBox.Show(message, message, MessageBoxButtons.OK, MessageBoxIcon.Information);}}}

**Output:**

Graphical user interface, application

Description automatically generated

