

Assignment # 2

Visual Programing



Submitted By:

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Dated:

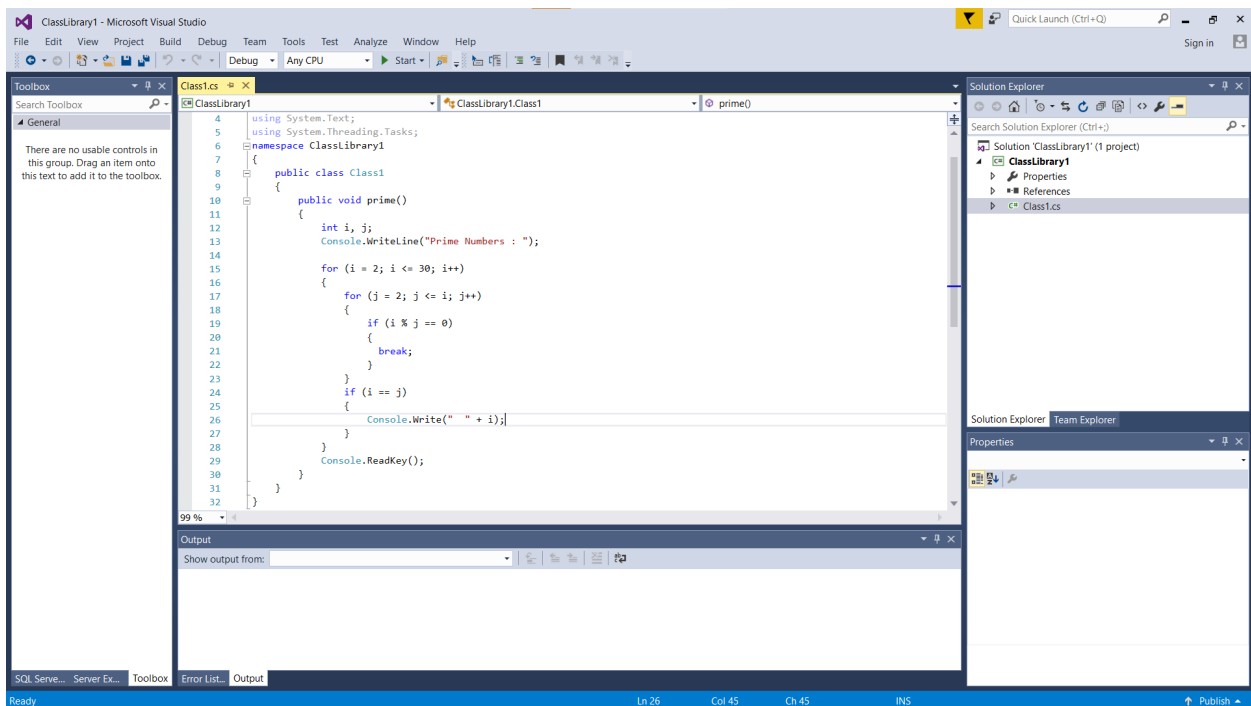
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**Department of Computer Science and Engineering,
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HITEC University, Taxila**

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Question # 1:

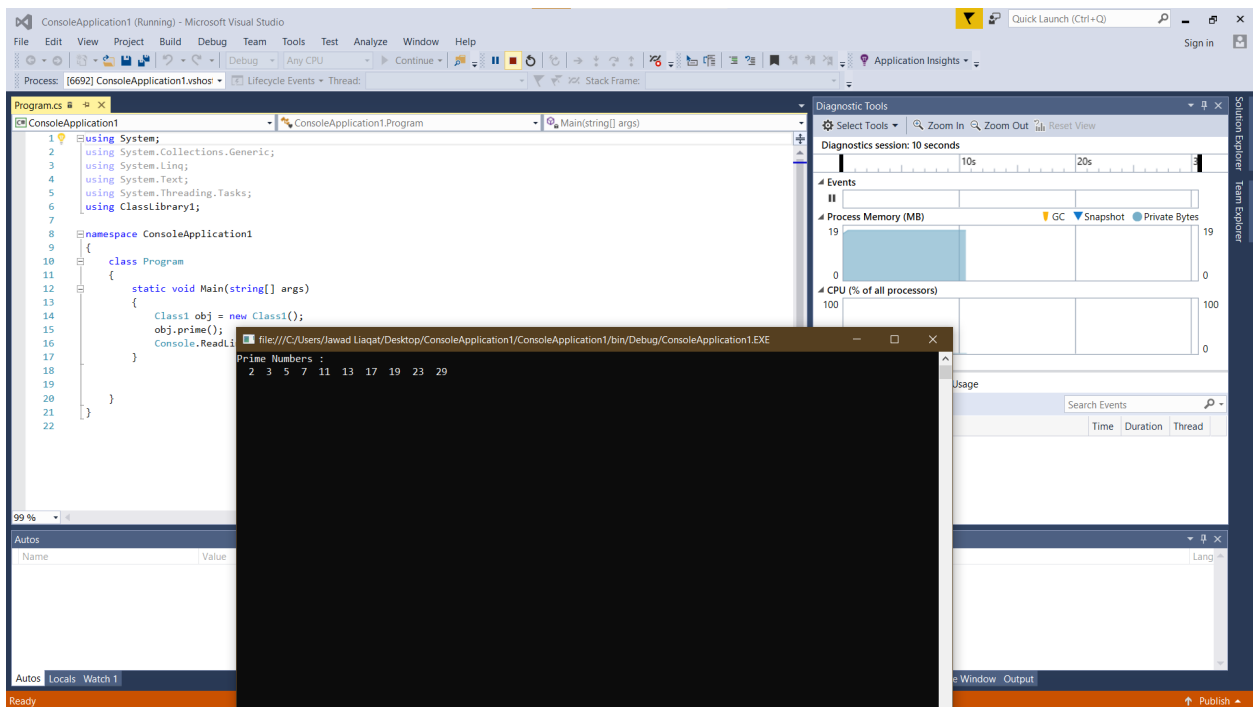
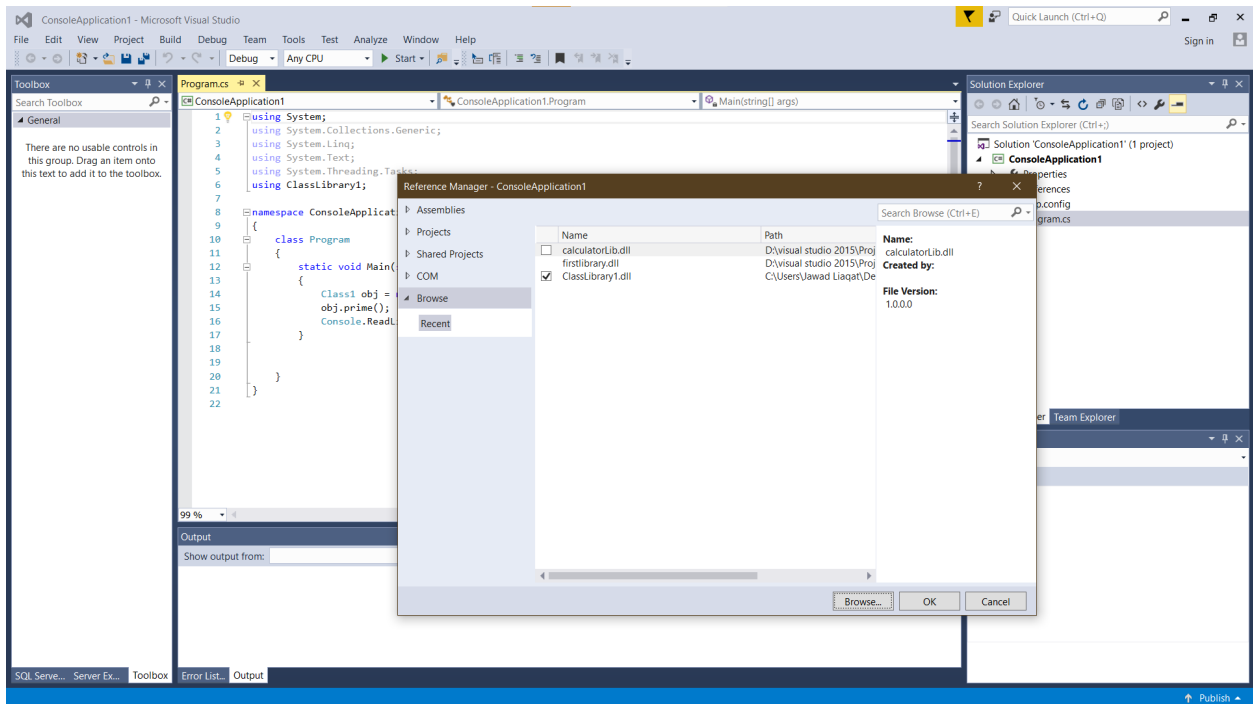
Develop a Class Library in C# that print prime numbers between 1 and 30.



Question # 2:

Create a console application, reference the class library created in Q # 1 and call its function.

Output:



Question # 3:

Create Sign Up form and connection with database

Code:

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.OleDb;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace WindowsFormsApplication1
{
    public partial class Form1 : Form
    {
        public string gender;

        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
        {
        }

        private void textBox1_TextChanged(object sender, EventArgs e)
        {
        }

        private void checkBox2_CheckedChanged(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
            OleDbConnection con = new
            OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
            Source=C:/Users/Think Different/Documents/Database3.accdb");
            con.Open();
            string query = "insert into register values('"+textBox1.Text+ "','"+
            textBox2.Text + "','"+ textBox3.Text + "','"+ textBox4.Text + "','"+
            dateTimePicker1.Text + "','"+ gender + "')";
            OleDbCommand cmd = new OleDbCommand(query, con);
```

```

        cmd.ExecuteNonQuery();
    }

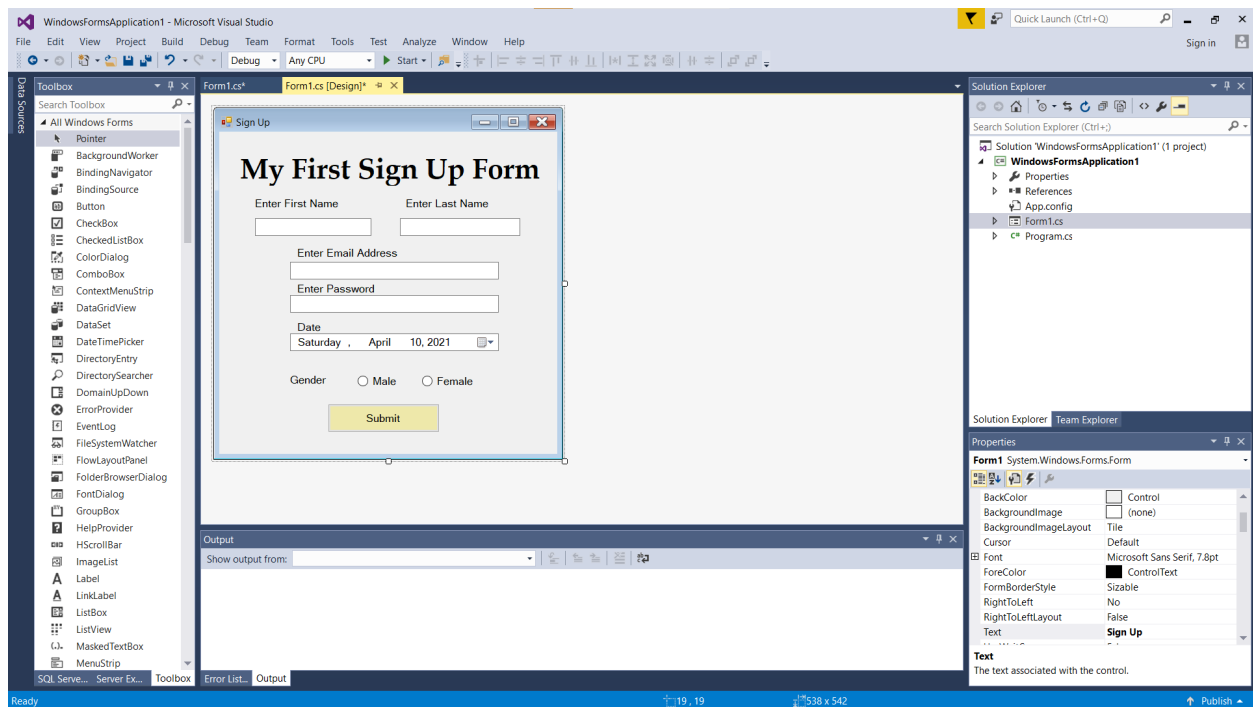
    private void checkBox1_CheckedChanged(object sender, EventArgs e)
    {
    }

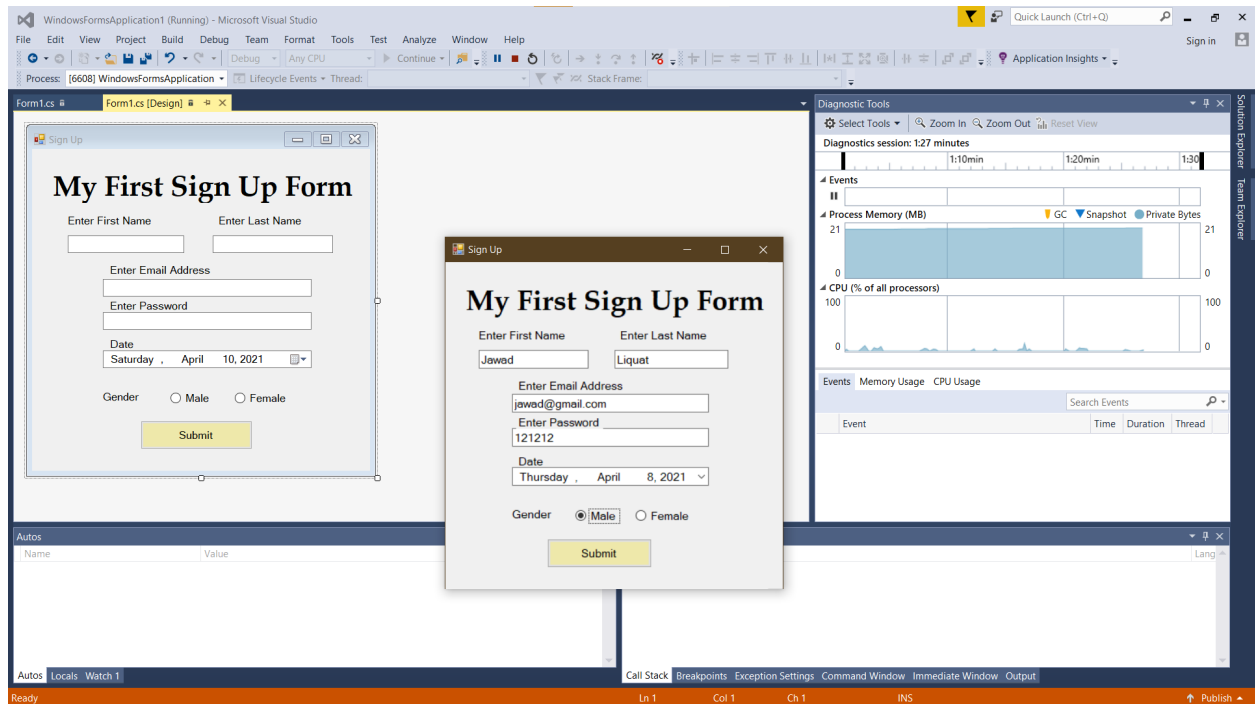
    private void radioButton1_CheckedChanged(object sender, EventArgs e)
    {
        gender = "male";
    }

    private void radioButton2_CheckedChanged(object sender, EventArgs e)
    {
        gender = "female";
    }
}

```

Screen shot:





Database Record:

first_name	last_name	email	password	date	gender
jawad	liquat	jawad@gamil.com	121212	Thursday, April 8, 2021	male

Conclusions:

I learn about class libraries and its use and also creation of window sign up form and its connection with the database.