

LAB1 Task Submission

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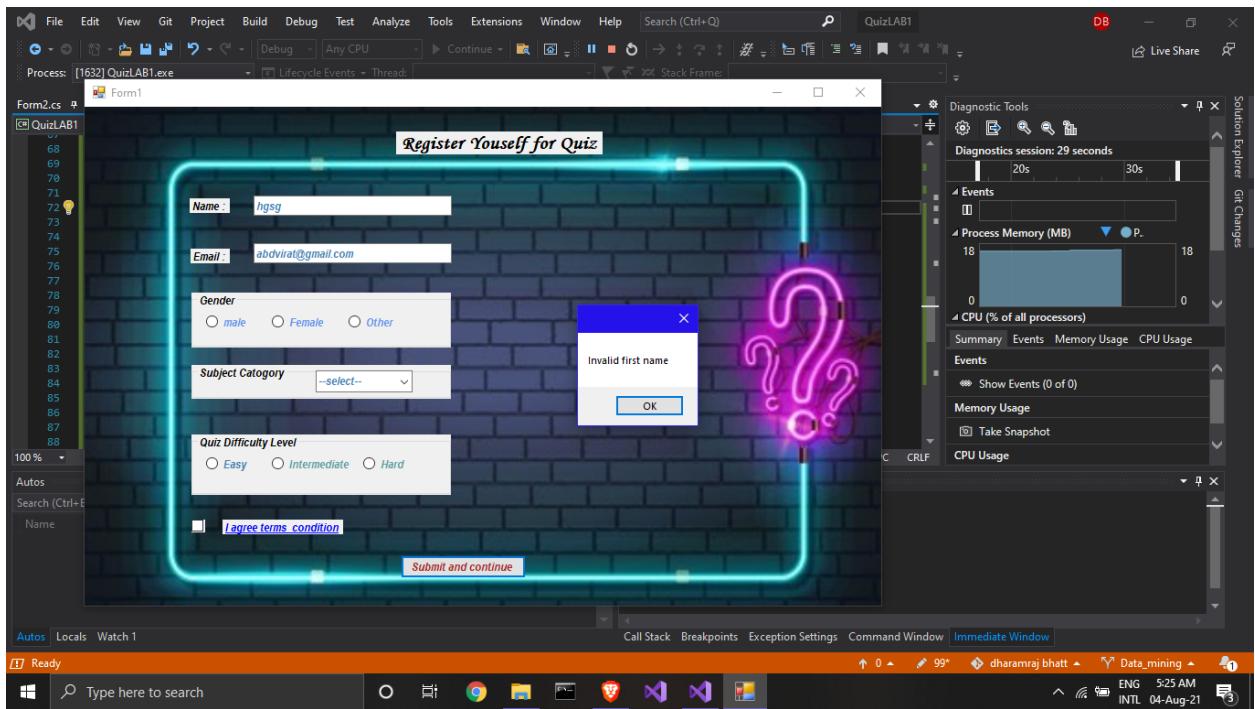
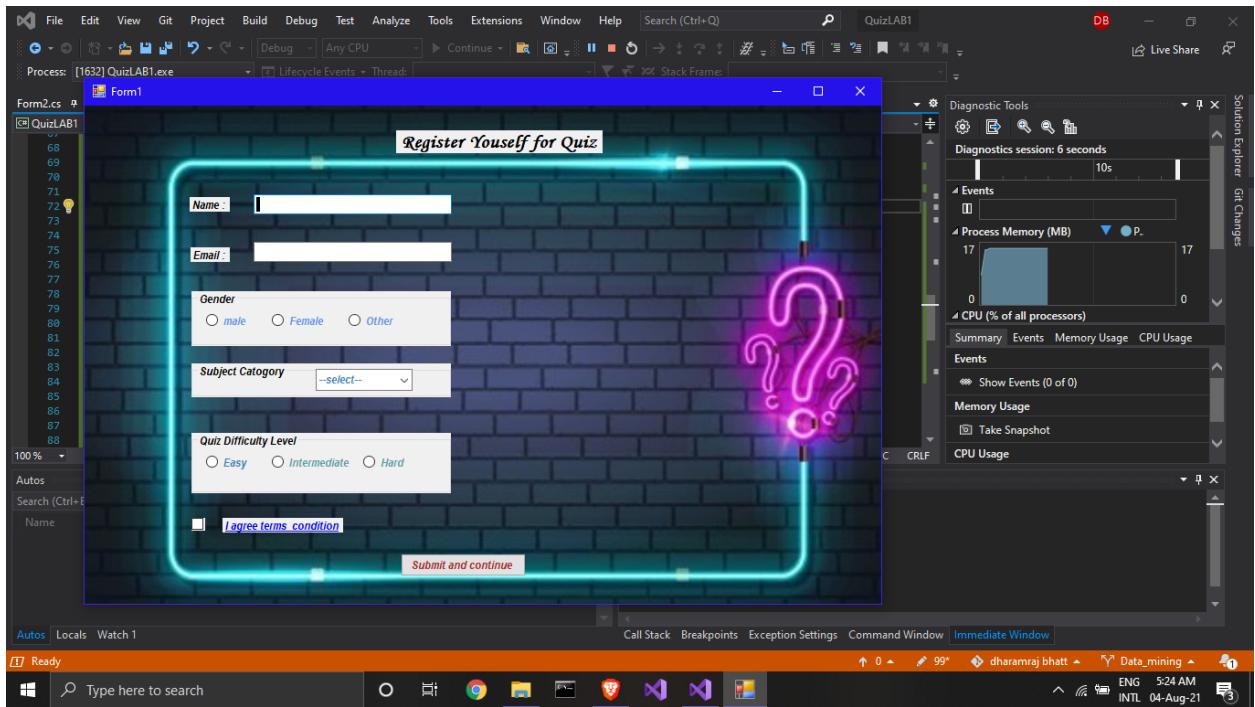
Reg.No:1947216

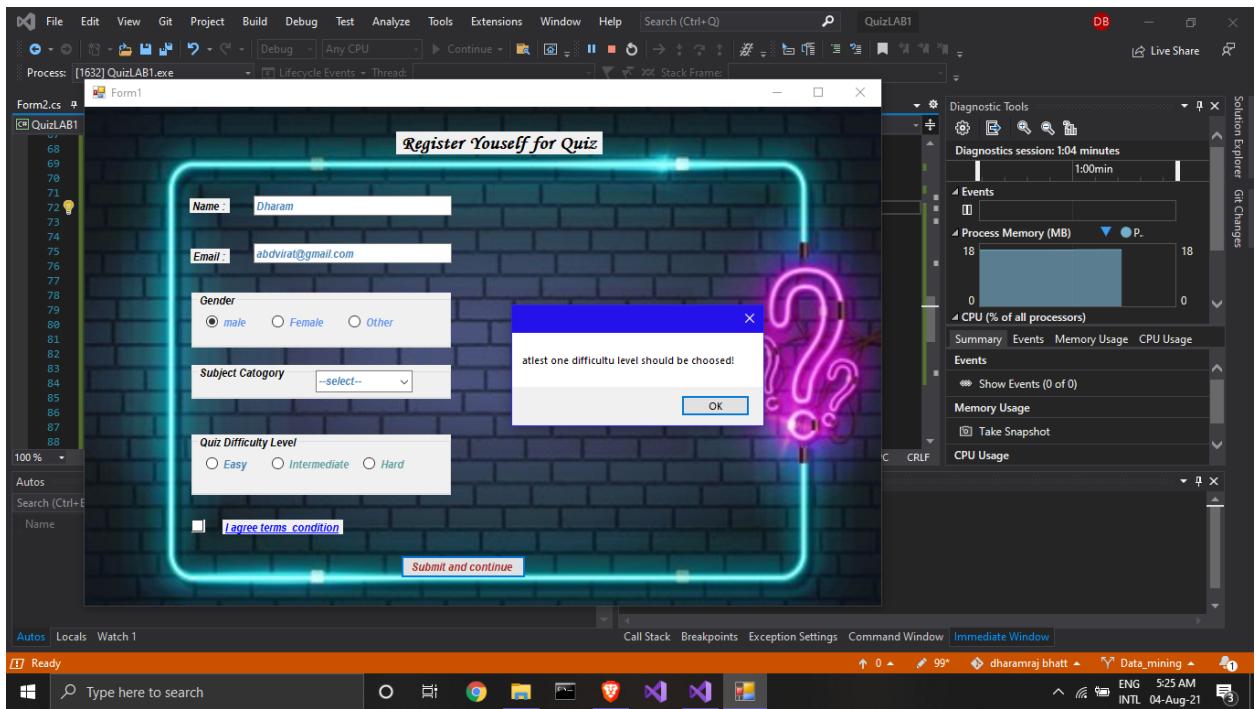
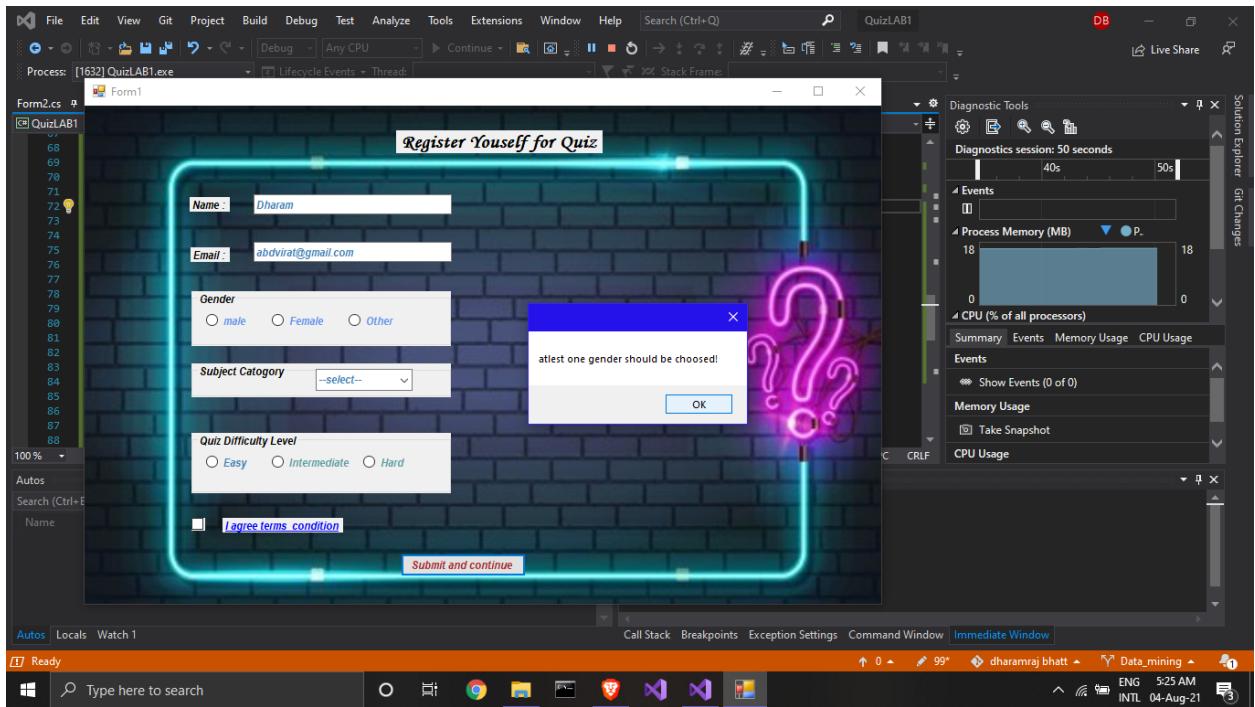
ToolBoxes:

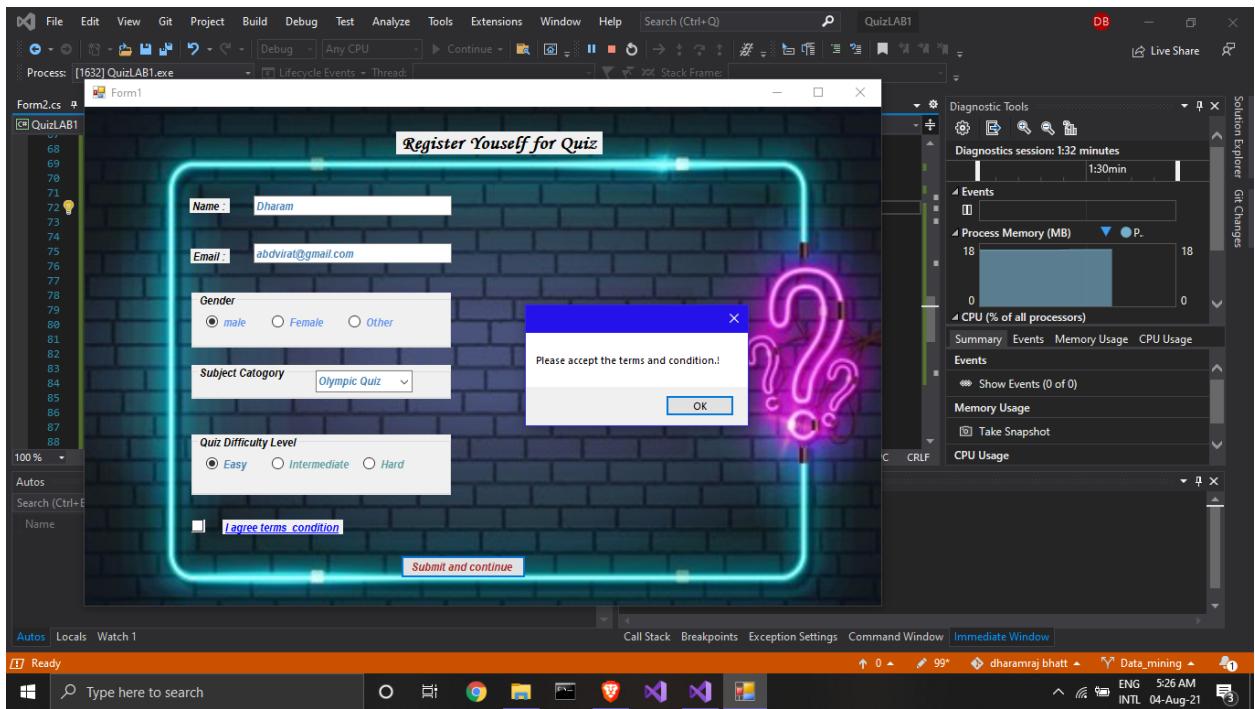
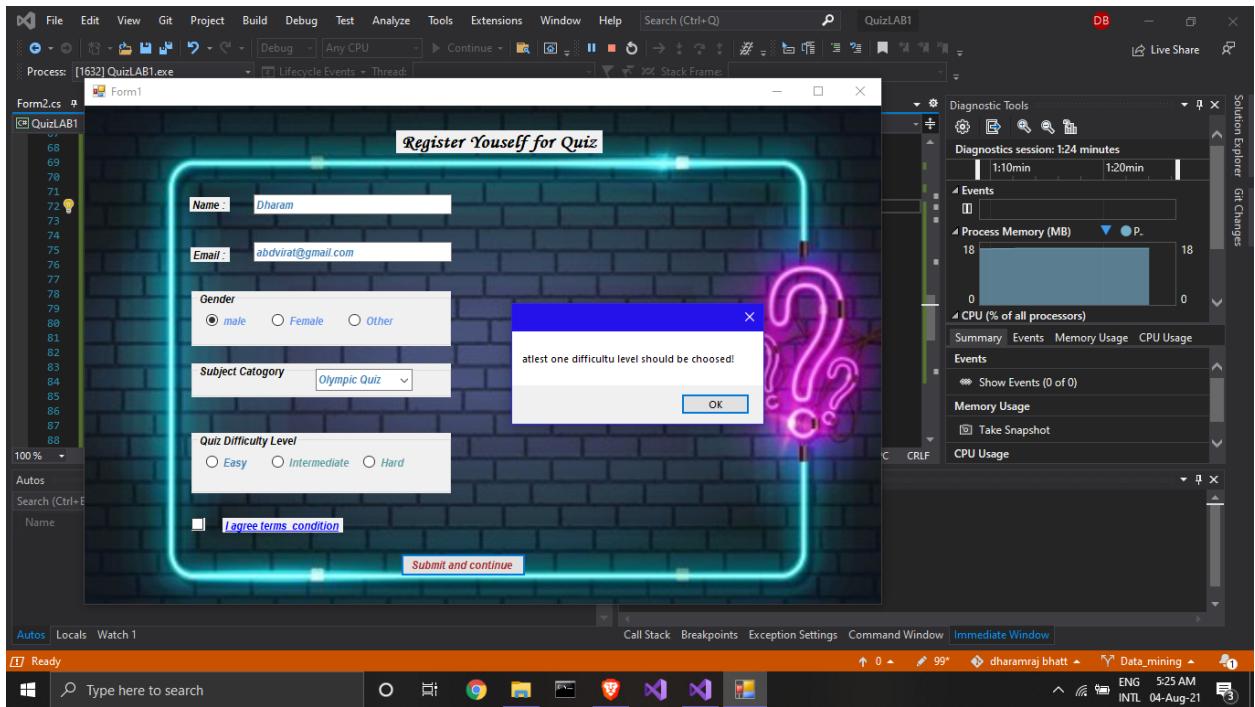
TextBox, LinkLabel, RadioButton, Label, GroupBox, CheckBox, Button, RichTextBox, Panel, ListBox, Form, PictureBox

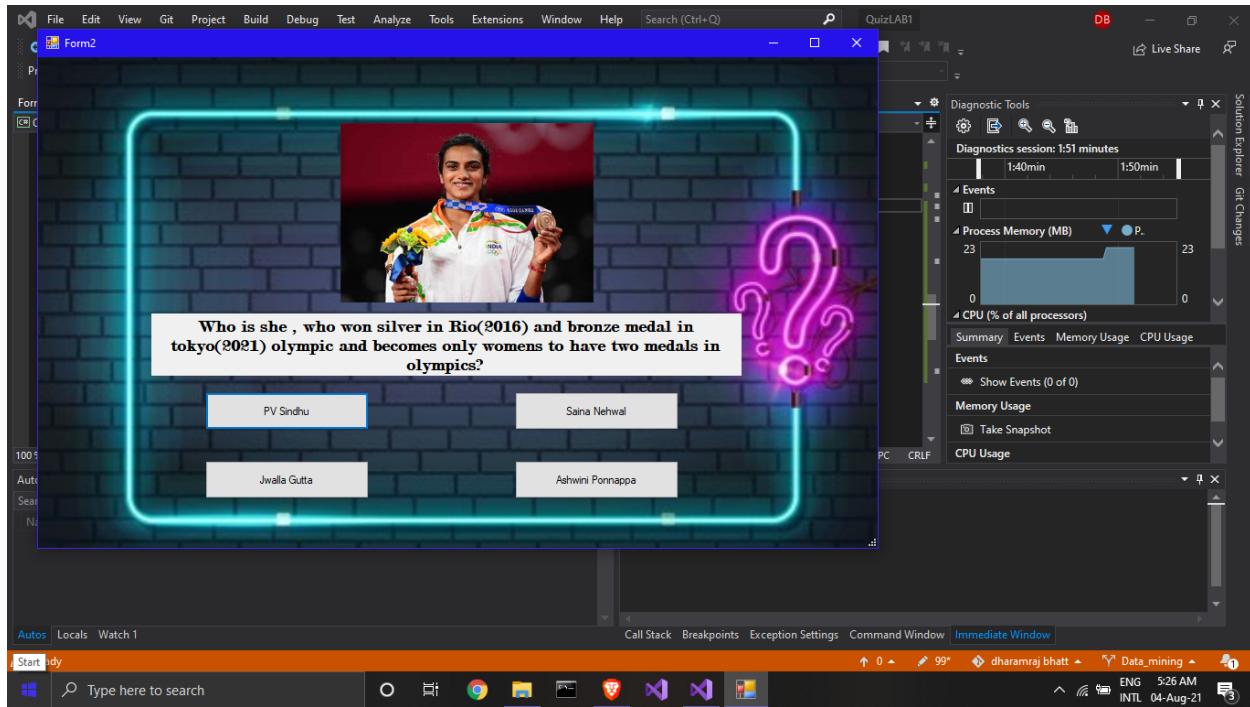
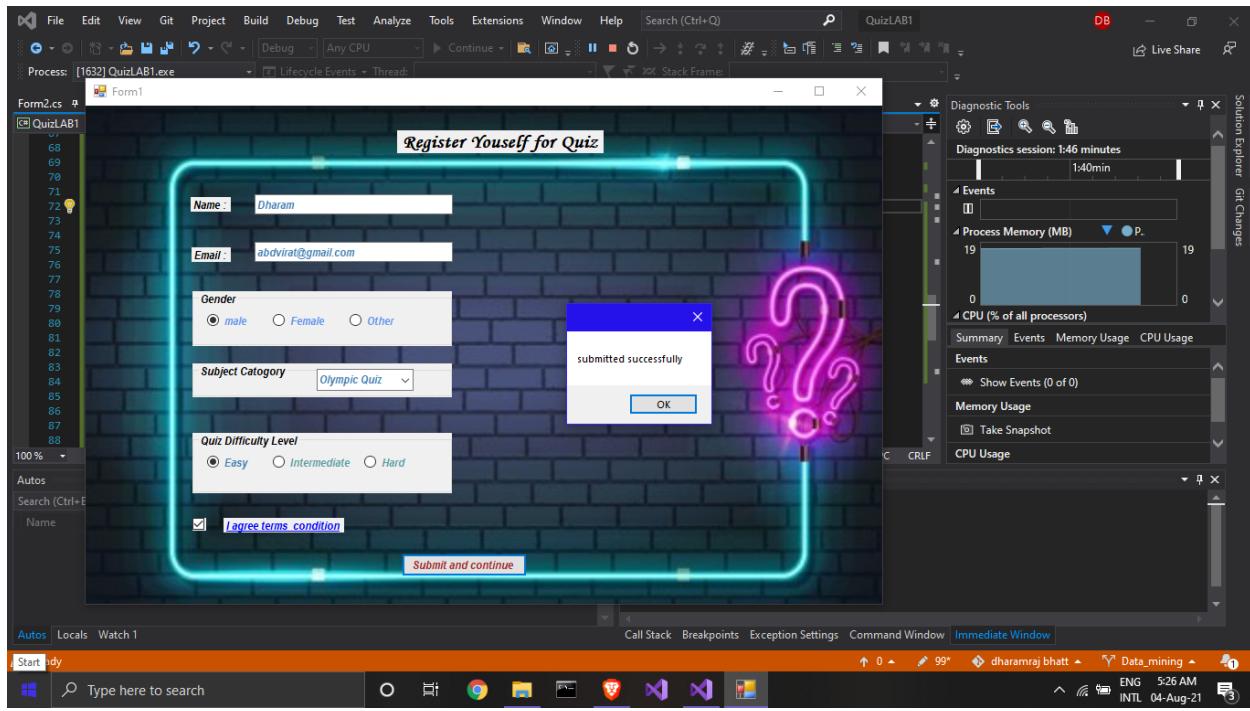
- 1) The usage of any ten controls is compulsory, usage of all controls is encouraged.
- 2) Demonstrate the use of the controls using the selected domain topics for you.
- 3) Relevant arithmetic operations are to be performed as per your creativity. For taking input appropriate controls of your choice can be used.
- 4) Formatting of the controls can be with any color and Font type.

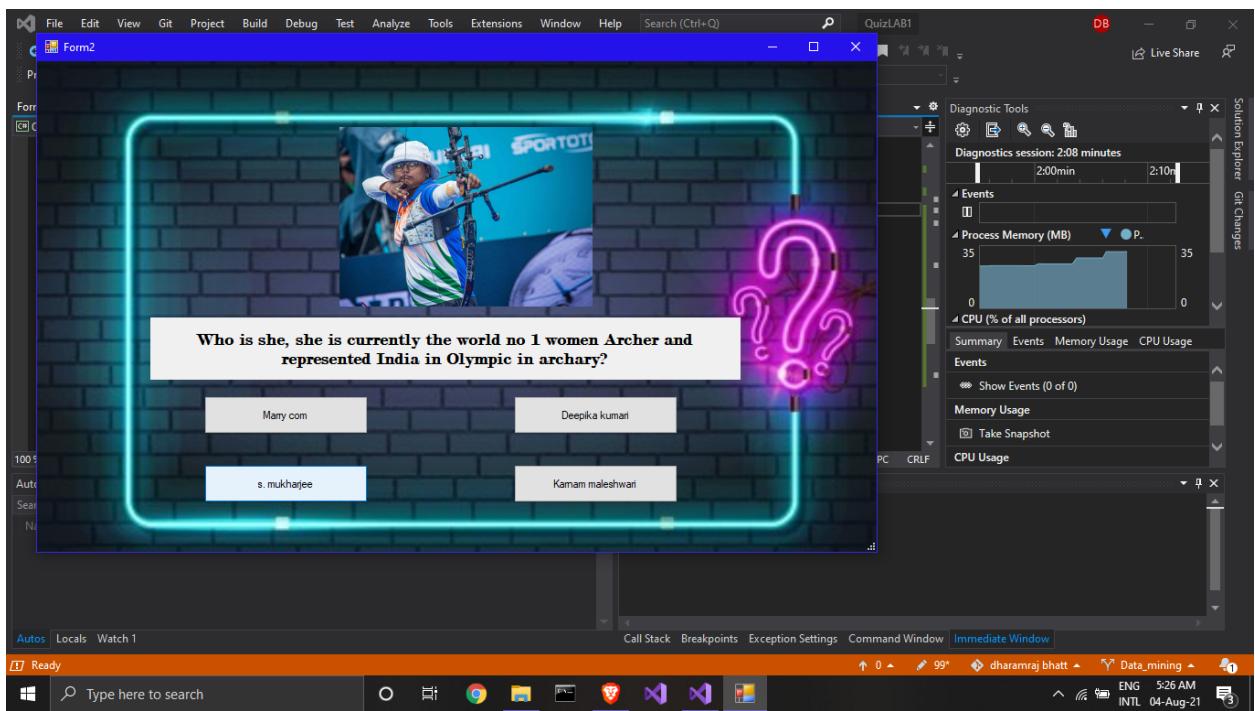
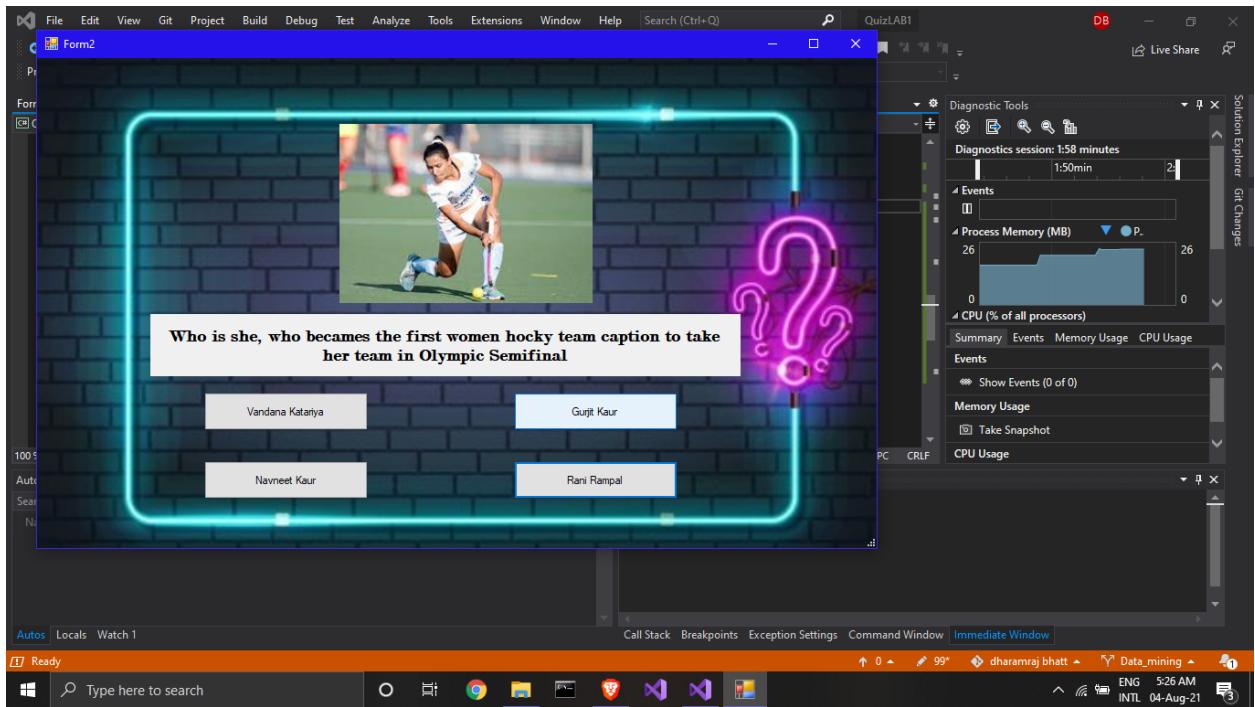
Screenshots

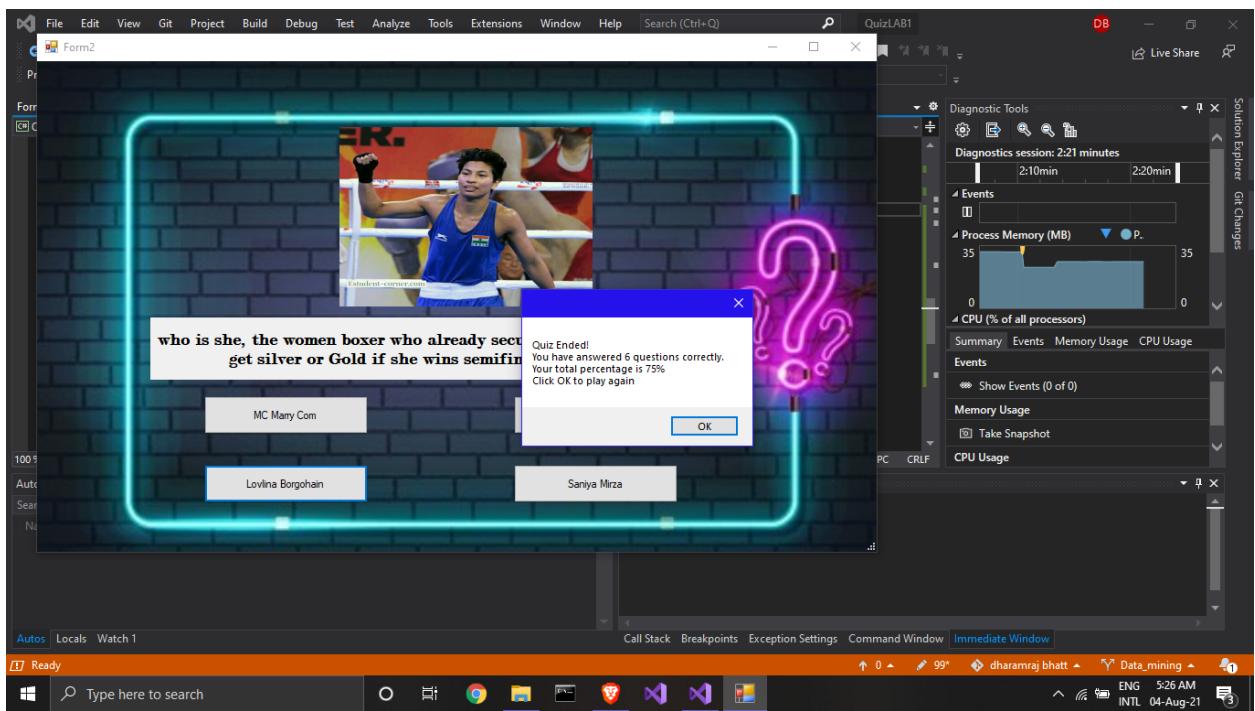
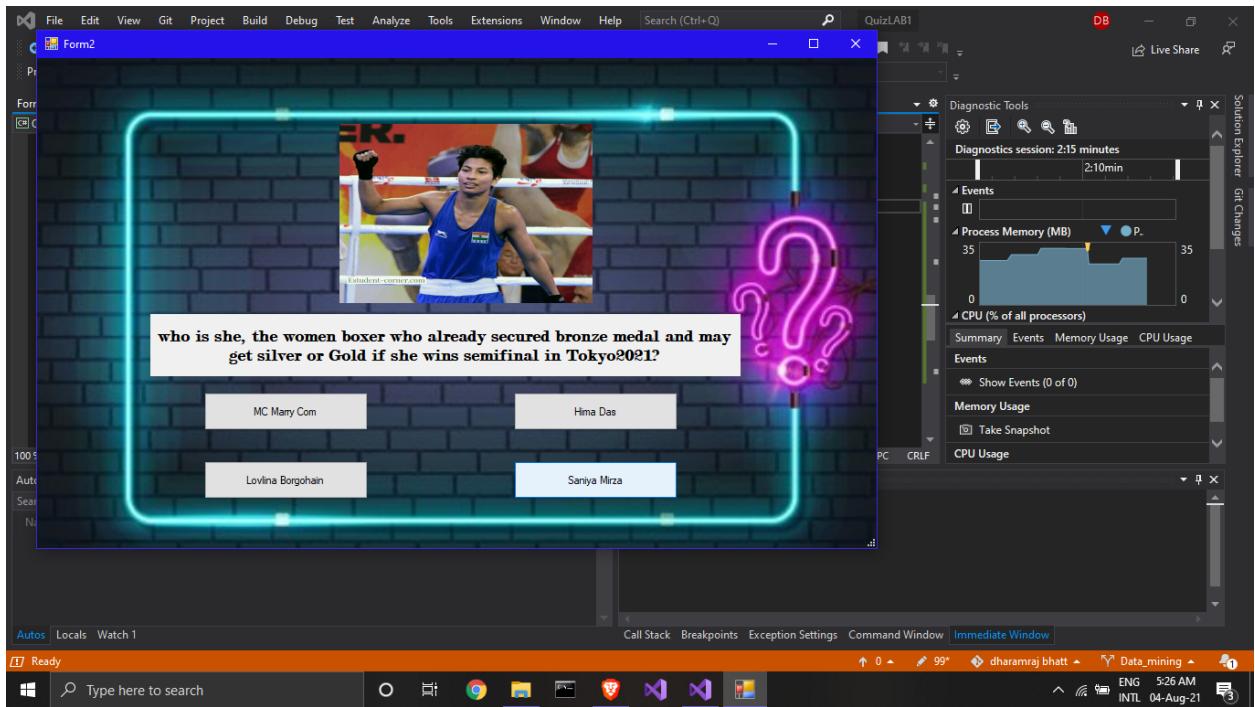












Code

Form1.cs-

```
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.Text.RegularExpressions;
using System.Windows.Forms;

namespace QuizLAB1
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
            comboBox1.Text = "--select--";
        }

        private void radioButton3_CheckedChanged(object sender,
EventArgs e)
        {

    }
```

```
    private void linkLabelTerms_LinkClicked(object sender,
LinkLabelLinkClickedEventArgs e)
{
    System.Diagnostics.Process.Start("https://thebridge.in/terms-and-
conditions/quiz");
}
```

```
private void ValidateEmail()
{
    string email = txt2.Text;
    Regex regex = new
Regex(@"^([\w\.-]+)@([\w\.-]+)(\.(.\w){2,3})+$");
    Match match = regex.Match(email);
    if (match.Success)
    {
        MessageBox.Show("Mail id is invalid");
        txt2.Focus();
    }
    else
    {
        MessageBox.Show("Mail id is invalid");
        txt2.Focus();
    }
}

private void btnSubmit_Click(object sender, EventArgs e)
```

```
{  
    if (txt1.Text == string.Empty)  
    {  
        MessageBox.Show("Name can't be Empty");  
        txt1.Focus();  
        return;  
    }  
    else if (!Regex.Match(txt1.Text,  
"^[A-Z][a-zA-Z]*$").Success)  
    {  
        // first name was incorrect  
        MessageBox.Show("Invalid first name");  
        txt1.Focus();  
        return;  
    }  
    else if (txt2.Text == string.Empty)  
    {  
        MessageBox.Show("Email can't be Empty");  
        return;  
    }  
  
    else if (!(radioButton1.Checked || radioButton2.Checked ||  
radioButton3.Checked))  
    {  
        MessageBox.Show("atlest one gender should be  
choosed!");  
        return;  
    }  
    else if (!(radioButton4.Checked || radioButton5.Checked ||  
radioButton6.Checked))
```

```
{  
    MessageBox.Show("atlest one difficultu level should be  
choosed!");  
    return;  
}  
else if (comboBox1.SelectedIndex == -1)  
{  
    MessageBox.Show("select atleast one subject!");  
    return;  
}  
else if (checkboxTerms.Checked != true)  
{  
    MessageBox.Show("Please accept the terms and  
condition.!");  
    return;  
}  
else  
{  
    MessageBox.Show("submitted successfully");  
    this.Hide();  
    Form2 f2 = new Form2();  
    f2.ShowDialog();  
}  
}  
  
private void label2_Click(object sender, EventArgs e)  
{  
}  
}  
}
```

```
}
```

Form2.cs

```
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 QuizLAB1
{
    public partial class Form2 : Form
    {
        int correctAnswer;
        int questionNumber = 1;
        int score;
        int percentage;
        int totalQuestions;

        public Form2()
        {
            InitializeComponent();

            AskQuestion(questionNumber);
        }
    }
}
```

```
totalQuestions = 8;  
}  
  
public void CheckAnswerEvent(object sender, EventArgs e)  
{  
    var senderObject = (Button)sender;  
  
    int buttonTag = Convert.ToInt32(senderObject.Tag);  
  
    if (buttonTag == correctAnswer)  
    {  
        score++;  
    }  
  
    if (questionNumber == totalQuestions)  
    {  
        // work out the percentage  
  
        percentage = (int)Math.Round((double)(score * 100) /  
        totalQuestions);  
  
        MessageBox.Show(  
            "Quiz Ended!" + Environment.NewLine +  
            "You have answered " + score + " questions  
correctly." + Environment.NewLine +  
            "Your total percentage is " + percentage + "%" +  
            Environment.NewLine +
```

```
        "Click OK to play again"
    );
}

score = 0;
questionNumber = 0;
AskQuestion(questionNumber);

}

questionNumber++;
AskQuestion(questionNumber);

}

private void AskQuestion(int qnum)
{
    switch (qnum)
    {
        case 1:
            pictureBox1.Image =
Properties.Resources.PV_sindhu;

        lblQuestion.Text = "Who is she , who won silver in
Rio(2016) and bronze medal in tokyo(2021) olympic and becomes
only womens to have two medals in olympics?";

        button1.Text = "PV Sindhu";
        button2.Text = "Saina Nehwal";
        button3.Text = "Jwalla Gutta";
    }
}
```

```
button4.Text = "Ashwini Ponnappa";
```

```
correctAnswer = 1;
```

```
break;
```

```
case 2:
```

```
pictureBox1.Image =
```

```
Properties.Resources.Bhavani_devi;
```

```
lblQuestion.Text = "who is she, first indian to  
represent india in Sabre Fencer in Olympic(Tokyo2021)?";
```

```
button1.Text = "Navneet Kaur";
```

```
button2.Text = "Bhavani Devi";
```

```
button3.Text = "Vandana katariya";
```

```
button4.Text = "Dutee Chand";
```

```
correctAnswer = 2;
```

```
break;
```

```
case 3:
```

```
pictureBox1.Image = Properties.Resources.rani;
```

```
lblQuestion.Text = "Who is she, who becomes the  
first women hocky team caption to take her team in Olympic  
Semifinal";
```

```
button1.Text = "Vandana Katariya";
```

```
button2.Text = "Gurjit Kaur";
```

```
button3.Text = "Navneet Kaur";
```

```
button4.Text = "Rani Rampal";  
  
correctAnswer = 4;  
  
break;  
case 4:  
    pictureBox1.Image = Properties.Resources.mirabai;  
  
    lblQuestion.Text = "who is she, she won the silver  
medal for India in weightlifting in this Olympic(Tokyo 2021)?";  
  
    button1.Text = "Mirabai Chanu";  
    button2.Text = "Karnam Malleshwari";  
    button3.Text = "Nikki Pradhan";  
    button4.Text = "Deepika kumari";  
  
    correctAnswer = 1;  
  
    break;  
  
case 5:  
    pictureBox1.Image =  
Properties.Resources.manika_batra;  
  
    lblQuestion.Text = "Who is she, the Rising star of  
Indian women Table Tannis?";  
  
    button1.Text = "S. mukharjee";  
    button2.Text = "Ankita Das";  
    button3.Text = "Manika Batra";
```

```
button4.Text = "Neha Agarwal";  
  
correctAnswer = 3;  
  
break;  
  
case 6:  
    pictureBox1.Image =  
Properties.Resources.Deepika_kumari;  
  
    lblQuestion.Text = "Who is she, she is currently the  
world no 1 women Archer and represented India in Olympic in  
archery?";  
  
    button1.Text = "Marry com";  
    button2.Text = "Deepika kumari";  
    button3.Text = "s. mukharjee";  
    button4.Text = "Karnam maleshwari";  
  
    correctAnswer = 2;  
  
    break;  
  
case 7:  
    pictureBox1.Image =  
Properties.Resources.kamaljeet;  
  
    lblQuestion.Text = "Who is she, she is first women to  
breach the 65mtr barrier in discuss throw and currently secured  
the 6th position in olympic discuss throw final in tokyo?";
```

```
button1.Text = "P.T Usha";  
button2.Text = "sakshi malik";  
button3.Text = "Manu Bhaker";  
button4.Text = "Kamalpreet Kaur";
```

```
correctAnswer = 4;
```

```
break;
```

```
case 8:
```

```
    pictureBox1.Image = Properties.Resources.lovlina;
```

```
    lblQuestion.Text = "who is she, the women boxer who  
already secured bronze medal and may get silver or Gold if she  
wins semifinal in Tokyo2021?";
```

```
    button1.Text = "MC Marry Com";  
    button2.Text = "Hima Das";  
    button3.Text = "Lovlina Borgohain";  
    button4.Text = "Saniya Mirza";
```

```
    correctAnswer = 3;
```

```
    break;
```

```
}
```

```
}
```

```
}
```

```
}
```