



BABU MADHAV INSTITUTE OF INFORMATION TECHNOLOGY, UTU
Integrated M.Sc.(IT)

Semester-IV

060010408 | CC10-GUI Programming |

Question Bank-Unit: 04

Unit-4: GUI Design and Event Driven Programming

Short Questions [1 Mark]

1. Which window is used to display the design view of project?
or
Which window is used to view User Interface of the program?
2. What is the use of Properties window?
3. Which shortcut key is used to display the Properties window?
4. State the use of input controls.
5. List at least four input controls.
6. Write at least four properties of Label control.
7. What will happen, if the value of the AutoSize property of the Label is TRUE or FALSE?
8. Which property is used to display multiple lines in textbox control?
9. Which property is used for selecting the RadioButton?
10. Which property is used for selecting the CheckBox?
11. What is the purpose of checkstate property of CheckBox control?
12. List at least four properties of ListBox control.
13. Which property is used to add the items in ListBox controls?
14. Which property is used for displaying the selected items of ListBox?
15. What is the usage of SelectedIndex property of ListBox?
16. List at least four properties of Picture Box control.
17. Which property is used to hide an image, on the button click event?
or
Which property is used to hide an image in PictureBox control?
18. What is the use of SizeMode property of PictureBox control?
19. List at least four properties of Timer control.
20. By which statement you can open and manipulate forms?
21. Which property is used for positioning each form in your project?
22. List all five "StartPosition" properties to position the form on the windows desktop.
23. How can you set size and position a startup form on the Windows desktop?



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| 24. | What is the use of “TabIndex” property of each control? |
| 25. | State the usage of “Anchor” property. |
| 26. | What is MDI? |
| 27. | Give the use of MouseHover event. |
| 28. | Write the steps to run a Visual Program. |

Short Questions [2 Marks]

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| 1. | How will you set the properties of a given control in Visual Studio Program? or Write the steps to set the properties of a given control on a form. |
| 2. | Explain the Label control with proper example. |
| 3. | What is the use of TextBox control? List at least three properties of it. |
| 4. | State the use of RadioButton? List at least three properties of RadioButton control. |
| 5. | What is the purpose of GroupBox control in C#.NET? Give example. |
| 6. | Explain the significance of ComboBox with example. |
| 7. | Give different ways to add items in ComboBox. or How can you add items in ComboBox? |
| 8. | Explain ListBox control with example. |
| 9. | How can you add an item/value into the ListBox? Which methods are used to remove item and to clear the ListBox? |
| 10. | List at least six events of ListBox Controls. |
| 11. | Explain any two properties of PictureBox control with example. |
| 12. | What is the use of CheckedListBox? List at least four properties of CheckedListBox control. |
| 13. | Differentiate GroupBox and Panel control. |
| 14. | What is the significance of Timer control? Explain with example. |
| 15. | What is the need of Tab Order? Write the steps to set Tab Order. |
| 16. | How can you add new Forms to a program? |
| 17. | List at least three keyboard events in C#. Explain each in one line. |
| 18. | What is the difference between TextChanged and Leave event? |

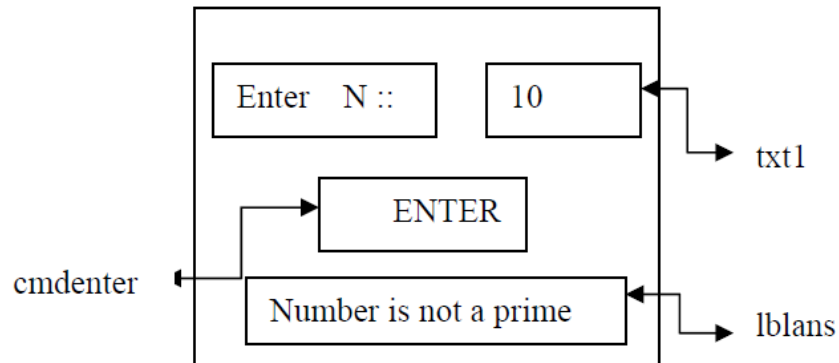
Scenario based Questions [5 Marks]

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| 1. | Design a GUI for displaying and hiding the image when the button is clicked. Which event will be used for it? Also list the properties used for displaying and hiding the image. |
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2. Consider the following application, where the user enters the value of N in textbox- “txt1”, and on click event of command button -“cmdenter”, label – “lblans” displays whether N is prime number or not.



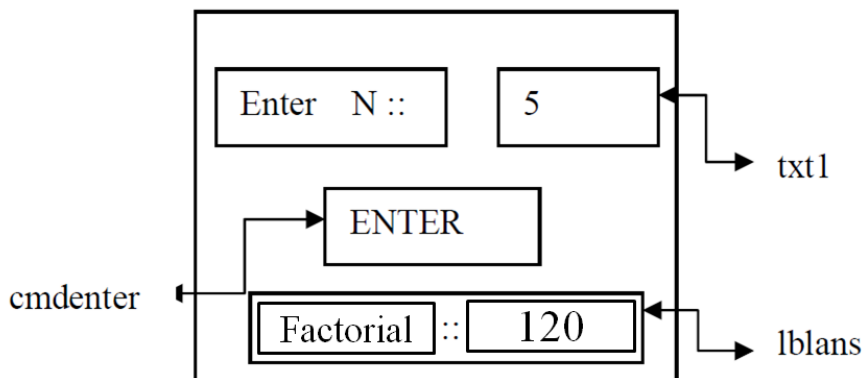
Write your code for cmdenter – command button’s click event, which checks whether the value entered in txt1- textbox is Prime number or not and displays the answer in lblans – label.

```
Private Sub cmdenter_click()
```

```
    ' write your code here
```

```
End Sub
```

3. Consider the following application, where the user enters the value of N Intextbox- “txt1”, and on click event of command button -“cmdenter”, label – “lblans” displays Factorial of N the given input.



Write your code for cmdenter – command button’s click event, which generates factorial of N and displays the answer in lblans – label.

```
Private Sub cmdenter_click()
```

```
    ' write your code here
```

```
End Sub
```



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4. Write a program to accept percentage from user and print output.

| <u>Percentage</u> | <u>Class</u> |
|-------------------|--------------|
| 0 to 34 | Fail |
| 35 to 59 | Second |
| 60 to 74 | First |
| 75 and above | Distinction |

5. Design an interface and write a C# code for button click to generate three random numbers and if any random number is “9”, then the image must be display.
6. Write a C# code and show the interface for the form that provides a list of Programming Languages. When the user clicks on OK button, display the selected languages in a message box.
7. Design and write a C# code for the form containing three Radio buttons. When the Radio button is selected, display images respectively, in PictureBox control.
8. Design an interface and write a C# code to display an image in PictureBox, when the particular item is selected in a ListBox control.
9. Write a C# code for the form, when the user click on ADD button, a list item should be moved from the first ListBox to the second ListBox. When the user click on REMOVE button, the list item should again move back to the original List. Design an interface for this form.
10. Consider the following fields and design a “Student Registration Form” using input controls. Write a C# code to display all student information in a message box.
- | | |
|--------------|------------------|
| ▪ First Name | ▪ Date of Birth |
| ▪ Last Name | ▪ Gender |
| ▪ Address | ▪ Contact Number |
| ▪ Country | ▪ Email ID |
11. Write a C# code to calculate the division of two numbers using try_catch statement. When the user enters a non-numeric values into the textboxes, the error message must be display "One of the entries is not a number! Try again!". If no error occurs, it will display the correct answer.
12. Write a C# code to get the sum of N numbers. If N value crosses the limit (100000), then exception must occur. Display the proper error message for the exception.
13. Design an interface and write a C# code using Select Case Structure statement to display a greeting in one of the five Computer Languages is a TextBox, when the particular language is selected in ListBox control.



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| 14. | Write a C# code to check whether the number is Palindrome or not without using string reverse operation. |
| 15. | Write a C# code using Select Case statement to display the days of the week, when the user selects any value of an integer variable, which is entered by the user. |
| 16. | Create a class to convert Fahrenheit temperatures to Celsius temperatures using Do Loops. Prompt the user for input by using input function. Design an interface for it. |
| 17. | Write a C# code to develop digital clock with the help of Timer control. |
| 18. | <p>In SUN SOFT Pvt. Ltd., admin had inserted the records of employees for the organization. Now, he wants to delete the record of any employee.</p> <p>Before performing deletion operation, there should be one alert message for the confirmation whether the user wants to surly delete record by pressing OK and Cancel.</p> <p>Think how can you complete this requirement and which property will be used?</p> <p>Also, state the significance of the property in a line.</p> |

Long Questions [5 Marks]

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| 1. | <p>List out the input controls. Explain any three in brief and list at least three properties of each control.</p> <p style="text-align: center;">or</p> <p>Write a note on Gathering input controls.</p> |
| 2. | What is the use of Label control? List and explain at least three properties with example. |
| 3. | Explain ListBox and ComboBox control with at least two properties. |
| 4. | <p>State significance of following properties of the controls:</p> <ul style="list-style-type: none">i. “passwordchar” property of TextBox.ii. “default” property of command button.iii. “style” property of CheckBox button.iv. “multiselect” property of listbox.v. “listindex” property of listbox. |
| 5. | What is the use of Picture Box control? List and explain at least three properties with example. |
| 6. | Explain ToolStrip control and its properties with example. |
| 7. | <p>Discuss Timer control in detail with its properties and example.</p> <p style="text-align: center;">or</p> <p>Explain Timer control with suitable example.</p> |
| 8. | How can you add controls to a form at run time? |