

Visual Basic Lab Assignment No:- 2

SYBCA

1. Design a user interface in VB that allow you to enter data for an employee and then calculate their allowances (DA,TA,HRA,PF) and print the salary on form. Use appropriate controls.

⇒ To apply following validation.

- a. Name should be inputted in uppercase only
- b. The textbox for basic should allow to type only digits in it.
- c. The joining data of employee should be greater than a current date

2. Design a user interface in VB that record the biodata of person. Use appropriate controls.

⇒ Make proper validation in the project.

3. Design a user interface that record admission details for student for college. User appropriate control.

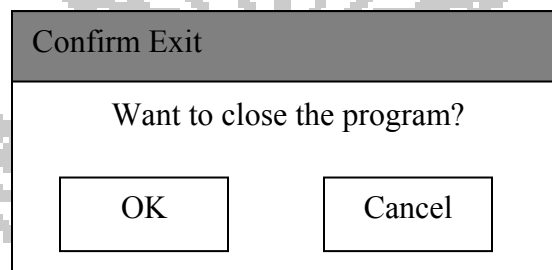
4. Design a form that allow user to choose format for text and then as per user choice the text in text should be formatted.

E.g. if user chooses bold checkbox the text should be bold and if he deselects the bold check box, text should be normal.

5. Design game tic-tac-toe for two users. One user is computer. Implement appropriate logic so that computer plays with intelligence. Also count the score. If player finish one line it should count score 1. **[SYBCA-2007 – 20 marks]**

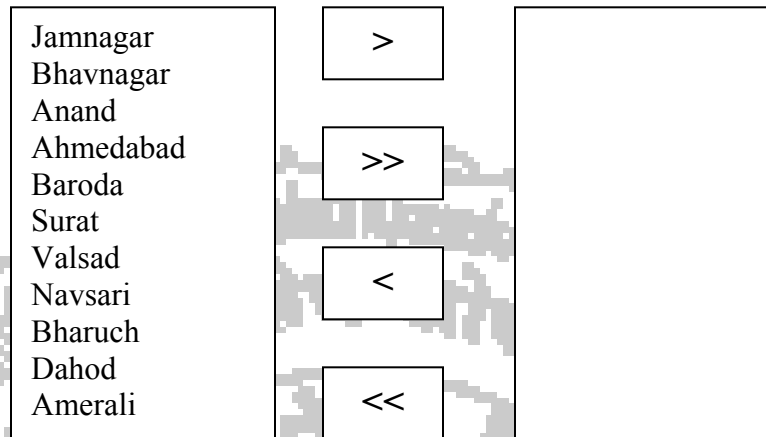
[TYBCA - March - 2006 - 7 Marks]

6. update second program to confirm exit while user chooses to close the window following window should be appear and if user choose cancel the program should run continuously and if he chooses ok the form should be close



Confirm Exit	
Want to close the program?	
OK	Cancel

7. Design the following interface in VB. [TYBCA - March - 2006 - 7 Marks]



Explanation:

- By pressing first button the selected item from first list should be copied to second list and should be removed from first list.
- By pressing second button the all items from first list should be copied to second list and should be removed from first list.
- By pressing third button the selected item from second list should be copied to first list and should be removed from second list.
- By pressing fourth button the all items from second list should be copied to first list and should be removed from second list.

[SSCCS TYBCA Prelim. Exam – 2007 5-Marks]

8. Define a VB interface and code for drawing free hand graphics.
9. Define a VB interface for printing the N odd numbers on form where N is given by User.
10. Write a code that blinks a text on screen.
11. Write a code segment that demonstrates the use of array.
12. Demonstrate how we can add command buttons at runtime on form using code segment.
13. Write a program in VB to search for the content of any drive or folder. [TYBCA March - 2004 Practical Set-1 15-Marks]

14. To create a visual interface and write a code for scientific calculator with attractive interface, in this include facility of back space MR etc. **[Internal Exam - Oct- 2006 Mahuva 12-Marks]**
15. To create a visual interface and write a code for bubble sort for five elements are sorted. **[Internal Exam - Oct- 2006 Mahuva 8-Marks]**
16. To create a visual interface and write a code for Earth Quake with different three intensity. **[Internal Exam - Oct- 2006 Mahuva 5-Marks]**
17. To create a visual interface and write a code for runtime **[Internal Exam - Oct- 2006 Mahuva 5-Marks]**
 - a. Create a toolbar's button and load a picture in it also a runtime.
 - b. Create a command button and when you click a button it create a new form.
18. Create VB application for calculate Fahrenheit for that given temperature in Celsius by using vertical Scrollbar **[Internal Exam - Oct- 2006 Sihor 15-Marks]**
19. Create a VB interface of Image viewer which provides options to select drive, directories and image files. [Only .jpg, .gif, .bmp image should be displayed]
[TYBCA – Prelim – 2006 9-Marks] [SYBCA - Prelim - 2007 SSCCS 10-Marks]
20. How will you handle your keystrokes for **[TYBCA - Prelim -2006 4 Marks]**
 - Uppercase input,
 - Lowercase input,
 - Input numbers only,
 - Input characters only,
 - Limiting characters,
 - Input date only.
21. Design a VB interface, which list even numbers between 1 and 100.
22. Design a VB interface, which list odd numbers between 1 and 100.
23. Design a VB interface, which list prime numbers between 1 and 100.
24. Design a VB interface, which takes any number as input and checks whether it is even - Odd or Prime.

25. Design a VB interface, which works for addition, multiplication, subtraction, division, and module of two numbers also give square of a number, less than, greater than etc.
26. Design a VB interface, which takes a number as an input which defines a range. It gives the summation of numbers start with 1 to the input range.
27. Design a VB interface, which on clicking the command button displays in the label what has been clicked.
28. Add items, run time in combo boxes.
29. Design a VB interface, where the label displays value of scroll bar on change of the scroll event.
30. Design a VB interface, where the color of circle (shape) changes as per the scroll bars value that is being put between 1 to15. Use QBcolor function.
31. Design a VB interface, which shows manual dragging & dropping.
32. Design a VB interface, for free hand drawing that gives you various option for selecting colors and width.
33. Design a VB interface, with all kinds of message boxes.
34. Try input box function.
35. Design a VB interface that changes the width of the shape according to scroll bar value.
36. Animation of moon.
37. Design image viewer to view selected image from file list. Use appropriate controls. **[TYBCA Prilim-2007 Marks-10]**
38. Put pixel on screen using, Pset method.
39. Change the width and radius of the circle according to the value of scroll bars.
40. Use drive list box, directory list box, file list box for opening text and picture files.
41. Design a screen saver program in which one circle rotates randomly on screen. If it touches any boundary of form then it should come back from there.
[SYBCA - 2007]
42. Design a VB interface that contains two command buttons start and stop to create earthquake effects. When you press start button earthquake effects is displayed and when you stop it should stop the effect. **[SYBCA-2007]**
43. Write a VB code to move command button. Your interface should have one horizontal and one vertical scrollbar. And as you scroll scrollbar the command button should move accordingly. [hint: when you scroll vertical scrollbar then command button should move upward or downward and when you press horizontal scrollbar it should move left or right] **[SYBCA - 2007 10 marks]**
44. Design menu as below with given options.

<u>S</u> hape	<u>C</u> olor	<u>F</u> ill Style
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- Shape Menu should contain options like..... Arc, Square, Ellipse, Line, Circle, Select Picture
- Color Menu should contain options like Red, Green, Blue, White, Black, Yellow
- Fill Style Menu should contains options like Transparent, Solid, Up Diagonal, Down Diagonal, Flip vertical or horizontal if picture is selected.

When user select shape from shape menu the appropriate shape should be drawn on picture box.

When user select color from color menu the appropriate color should be fill in the shape drawn next.

When user chooses the fill style from fill style menu that should be reflected in next drawing. **[SYBCA - Prilim-2007 - 30 Marks]**

45. Design VB interface that uses toolbar and dynamically assign no of buttons of the toolbar and dynamically assign the image on the button of toolbar. **[TYBCA - March - 2006 - 7 Marks]**
46. Create one application, which incorporates one textbox and has the facility to search particular words in textbox and also simple code of the game "Catch me if you can" in the same.
47. Create database connection with oracle and perform following operations. **[TYBCA - March - 2006 - 7 Marks]**