

Multiple Choice Quiz: Variables, Operators, Expressions, and Control Structures in Visual Basic

1. What is a data type in Visual Basic?

- A) A loop structure
- B) A type of control
- C) A specification for the kind of data a variable holds
- D) A menu command

2. Which VB6 data type is used for text?

- A) Integer
- B) String
- C) Boolean
- D) Double

3. How do you declare a variable in VB6?

- A) Var name As Type
- B) Dim name As Type
- C) Declare name As Type
- D) Type name As Dim

4. Which data type can hold any value but is less efficient?

- A) Integer
- B) String
- C) Variant
- D) Boolean

5. What is the scope of a variable declared inside a procedure?

- A) Global
- B) Module
- C) Local
- D) Public

6. How do you declare a global variable in VB6?

- A) Dim in a procedure
- B) Public in a standard module
- C) Private in a form
- D) Static in a module

7. Which operator performs string concatenation in VB6?

- A) +
- B) &
- C) *
- D) /

8. What is the result of the expression $5 + 3 * 2$ in VB6?

- A) 16
- B) 11
- C) 10
- D) 8

9. Which operator checks if two values are not equal?

- A) =
- B) <>
- C) ==
- D) !=

10. What does the And operator do in VB6?

- A) Combines strings
- B) Checks if both conditions are True
- C) Performs division
- D) Increments a variable

11. Which decision structure handles multiple conditions for one variable?

- A) If...Then
- B) If...Then...Else
- C) Select Case
- D) Do While

12. What is the output of this code? `If 10 > 5 Then MsgBox "Yes"`

- A) Yes
- B) No
- C) Error
- D) Nothing

13. Which loop runs a fixed number of times?

- A) Do While...Loop
- B) For...Next
- C) Do Until...Loop
- D) Do...Loop While

14. What does the Do While...Loop structure do?

- A) Loops at least once
- B) Loops while a condition is True
- C) Loops until a condition is True
- D) Loops a fixed number of times

15. Which loop checks its condition at the end?

- A) For...Next
- B) Do While...Loop
- C) Do...Loop While
- D) Do Until...Loop

16. What is the scope of a variable declared with `Private` at the top of a form?

- A) Local
- B) Module
- C) Global
- D) Procedure

17. Which data type is used for True/False values?

- A) Integer
- B) String
- C) Boolean
- D) Double

18. What is an expression in VB6?

- A) A control on a form
- B) A combination of variables, values, and operators
- C) A loop structure
- D) A menu command

19. What is the output of this code? `Dim x As Integer: x = 5 Mod 2: MsgBox x`

- A) 2
- B) 1
- C) 5
- D) 0

20. Which structure is used to execute code based on multiple conditions?

- A) For...Next
- B) If...Then...ElseIf
- C) Do Until...Loop
- D) MsgBox

21. What keyword ends a `Select Case` block?

- A) End If
- B) End Select
- C) Next
- D) Loop

22. What does the `^` operator do in VB6?

- A) Division
- B) Exponentiation
- C) Concatenation
- D) Comparison