



**Multiple Choice Questions**

- Which of the following refers to a memory location that is used to store data?  
 (a) Variables  (b) Constants  (c) Integers
- Which statement is used to declare a variable in Visual Basic?  
 (a) Val  (b) Gim  (c) Dim
- Which data type is used to store integer values, ranging from -32,768 to + 32,768?  
 (a) Integer  (b) String  (c) DOB
- Which statement of Visual Basic is used to execute the statements based on different choices/conditions?  
 (a) Select Case  (b) If Else  (c) Case
- Which statements are optional in an If..... Then statements?  
 (a) If  (b) Then  (c) Else

**Fill in the blanks.**

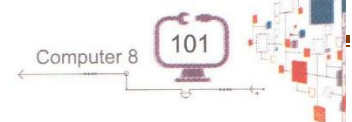
- The data Type tells what type of value can be stored in the variable.
- Relational operators are used for comparison between two variables or expressions.
- Date data type stores date values.
- Declaring variable means telling the Visual Basic to reserve memory space.
- looping is also known as repetition or iteration.

**State True or False.**

- Every variable has a unique name. True
- Relational operators are used for arithmetic operations. false
- For...Next loop is used to repeat a task for a finite number of times. True
- An If... Then statement tests a particular condition; if the condition evaluates to true, a course-of-action is followed. True
- Looping structure are the statements that execute instructions repeatedly based on a condition. True

**Write one word for the following.**

- Memory location to store values variable



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2. A data type used to store alphanumeric values
3. Operators used for making decision based on multiple conditions
4. It is used to execute the statements based on different choices/ conditions.

String  
Logical operators  
select..... Case  
statement

Answer the following questions.

### Question and Answer:

1. **What do you understand by declaring variables? How will you declare variables in Visual Basic?**

#### **Answer:**

Declaring variable means telling the Visual Basic to reserve memory space. A variable can be declared as per following syntax:

Syntax: Dim<Varname>[as<Datatype>]

2. **What are operators? Write any two different categories of operators that can be used in Visual Basic.**

#### **Answer:**

Operators are special symbols used to perform calculations, make comparisons and check logical conditions in a program.

Operators can be categorized into different categories:

- Arithmetic Operators
- Relational Operators
- Logical Operators

3. **Explain the use of IF..... Then statement with the help of an example.**

#### **Answer:**

if..then statement is used to make a decision when there is only two options. For example if you have to write a program to check whether the given number given by user is odd or even then we use if..then statement.

Similarly, if you have to write a program that have to choose from three options then we use if..then..else statement.

But, if you have to write a program that have more than three option then we use if..then..else if..else statement. In this statement you can have any number of condition.

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### **4. Explain the use of for ... Next statement with the help of an example.**

#### **Answer:**

For...Next statements to repeat a block of statements a specific number of times. For loops use a counter variable whose value is increased or decreased with each repetition of the loop.

The following procedure makes the computer beep 50 times. The for statement specifies the counter variable and its start and end values. The Next statement increments the counter variable by 1.

```
Sub Beeps ()  
    For x = 1 To 50  
        Beep  
    Next x  
End Sub
```

### **5. Differentiate between Do While.... Loop and Do Until.... Loop.**

#### **Answer:**

A "Do While" loop statement runs while a logical expression is true. This means that as long as your expression stays true, your program will keep on running. Once the expression is false, your program stops running. A "Do Until" loop statement runs until a logical statement is true.

The only difference between do while and do until is that the first one loops as long as the condition is true, while the second one loops as long as the condition is false.

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