

- 1- Inside today's computers information is encoded as patterns of 0s and 1s. These digits are called
 - 2- To understand how individual bits are stored and manipulated inside a computer, it is convenient to imagine that the bit 0 represents the value and the bit 1 represents the value
 - 3- The operation is another Boolean operation. It differs from AND, OR, and XOR because it has only one input.
 - 4- If the input of the operation NOT is true, then the output is, and vice versa.
 - 5- The gate behaves in the opposite fashion to AND gate. You can think of it as an AND gate followed immediately by a gate.
 - 6- is a way of defining, storing & retrieving of data in a structural & systematic way.
 - 7- is a step by step procedure, which defines a set of instructions to be executed in certain order to get the desired output.
 - 8- consists of programs + documentation + operating procedures
 - 9- can replace flowcharts.
 - 10- are transformed into actual code or program during the implementation phase
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- 1- Depict a tree which has same preorder and inorder traversal.
- 2- Depict a tree which has same postorder and inorder traversal.
- 3- Depict a tree which has same preorder, inorder, and postorder traversal.
- 4- Explain: "Reverse Engineering" and "Re-Engineering"
- 5- Write the applications of XOR gate in computer engineering.
- 6- Which problems can be solved with the tree data model?
- 7- Which problems can be solved with the graph data model?
- 8- Which problems can be solved with the state machine data model?
- 9- Write the differences between arrays and linked lists?
- 10- Write the definitions of job, task, process, and thread. What are the differences?