
















Flow chart (Questions)

Algorithms	Algorithm can be defined as: “A sequence of activities to be processed for getting desired output from a given input.”																		
Problem Solving	Problem solving is the act of defining a problem; determining the cause of the problem; identifying, prioritizing, and selecting alternatives for a solution; and implementing a solution. The problem-solving process. Problem solving resources.																		
Flowcharts	A flowchart is a type of diagram that represents an algorithm, workflow or process. The flowchart shows the steps as boxes of various kinds, and their order by connecting the boxes with arrows. This diagrammatic representation illustrates a solution model to a given problem. Flowcharts are used in analyzing, designing, documenting or managing a process or program in various fields.																		
Symbols Used	<table><tr><th>Symbol</th><th>Name</th><th>Function</th></tr><tr><td></td><td>Start/end</td><td>An oval represents a start or end point</td></tr><tr><td></td><td>Arrows</td><td>A line is a connector that shows relationships between the representative shapes</td></tr><tr><td></td><td>Input/Output</td><td>A parallelogram represents input or output</td></tr><tr><td></td><td>Process</td><td>A rectangle represents a process</td></tr><tr><td></td><td>Decision</td><td>A diamond indicates a decision</td></tr></table>	Symbol	Name	Function		Start/end	An oval represents a start or end point		Arrows	A line is a connector that shows relationships between the representative shapes		Input/Output	A parallelogram represents input or output		Process	A rectangle represents a process		Decision	A diamond indicates a decision
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CPU	CPU itself has following three components. -Memory or Storage Unit.																		

Tutorials on Flowcharts and Algorithms



	-Control Unit. -ALU(Arithmetic Logic Unit)
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1. Make a flow chart to identify maximum of two numbers.
2. Make a flowchart for Add two numbers and print output.
3. Write an algorithm to add two numbers.
4. Write an algorithm to find the largest among three different numbers entered by the user.
5. Write an algorithm to check whether a number entered by the user is prime or not.
6. Write an algorithm to find the Fibonacci series till term ≤ 500 .
7. Write an algorithm to find the factorial of a number.
8. Make a flow chart to find given number is even or odd.
9. Draw a flowchart to log in to facebook account.

Home work

10. Draw flowchart to find the largest among three different numbers entered by user.
11. Make a flow chart for following:
First asks the user to enter a number between 1 and 10. Verify that whether the number is between 1 and 10. Print an error message, if not so. Once verified, print the cube of the number, if it is odd, or multiply it by 5, if it is even.
12. Make a flow chart sum of digits of given number.
13. Make a flow chart to find number is prime or not.