5. Include control structures

For example.

Algorithm : Add Two Numbers.

Input: Two number, A and B
output: The sum of A and B

1. Read input values A and B
2. Set sum = A + B
3. Display the sum
4. End.

2. What are the property of algorithm?

The property of algorithm are:

↳ Input: An algorithm takes zero or more inputs, which are the initial values or information on which the algorithm operates.

↳ Output: Every algorithm produces at least one output as a result of its execution.

↳ Definiteness: Each step of the algorithm must be precisely and unambiguously defined.

↳ finiteness: An algorithm must have a finite number of steps.

↳ Effectiveness: Each step of the algorithm must be feasible and practical, meaning that it can be executed using available resources.

3. How to write algorithm?

1. Understand the problem
2. Define the input and output
3. outline the step
4. Use pseudocode.

Page No.
Date

Assignment - 1

1. What is an Algorithm ? Explain.

→ An algorithm is a step-by-step set of instruction or a well-defined computational procedure that takes an input, performs a series of an operation and produces an output.

Essentially, it is a systematic approch to solve a specific problem or performing a particular task. Algorithm are used in various fields, including Computer science, mathematics and everyday problem-solving.

Here are some key characteristics of algorithm:

1. input
2. output
3. Definiteness
4. finiteness
5. Effectiveness.