ALGORITHAM

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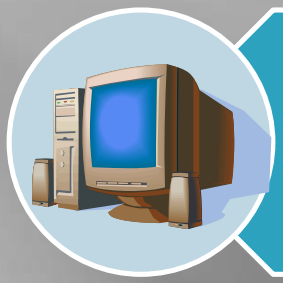
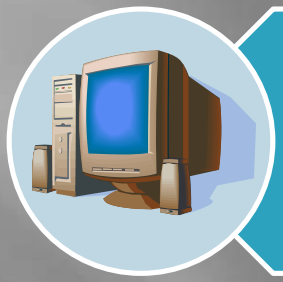
INTRODUCTION

- To design the solution of the problem programmer designs a process through different techniques like Algorithm.
- After properly defining the problem, a detailed, finite, step by step procedure for solving it must be developed by the programmer called as an algorithm.
- Algorithm can be written in ordinary language or using formal procedure that lies between ordinary language and programming language.
- It can be easily converted into a program in any programming language.

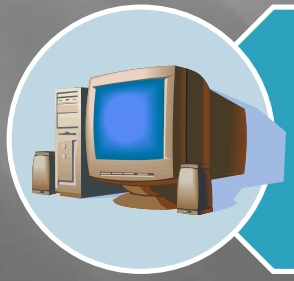
CHARACTERISTICS



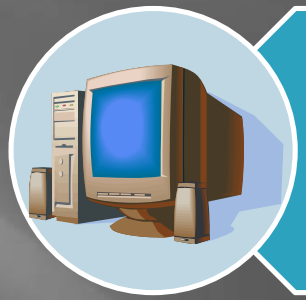
Input



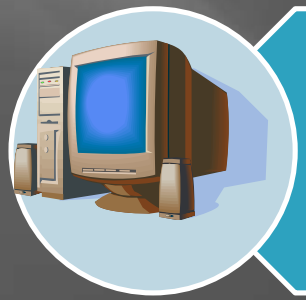
Output



Definiteness

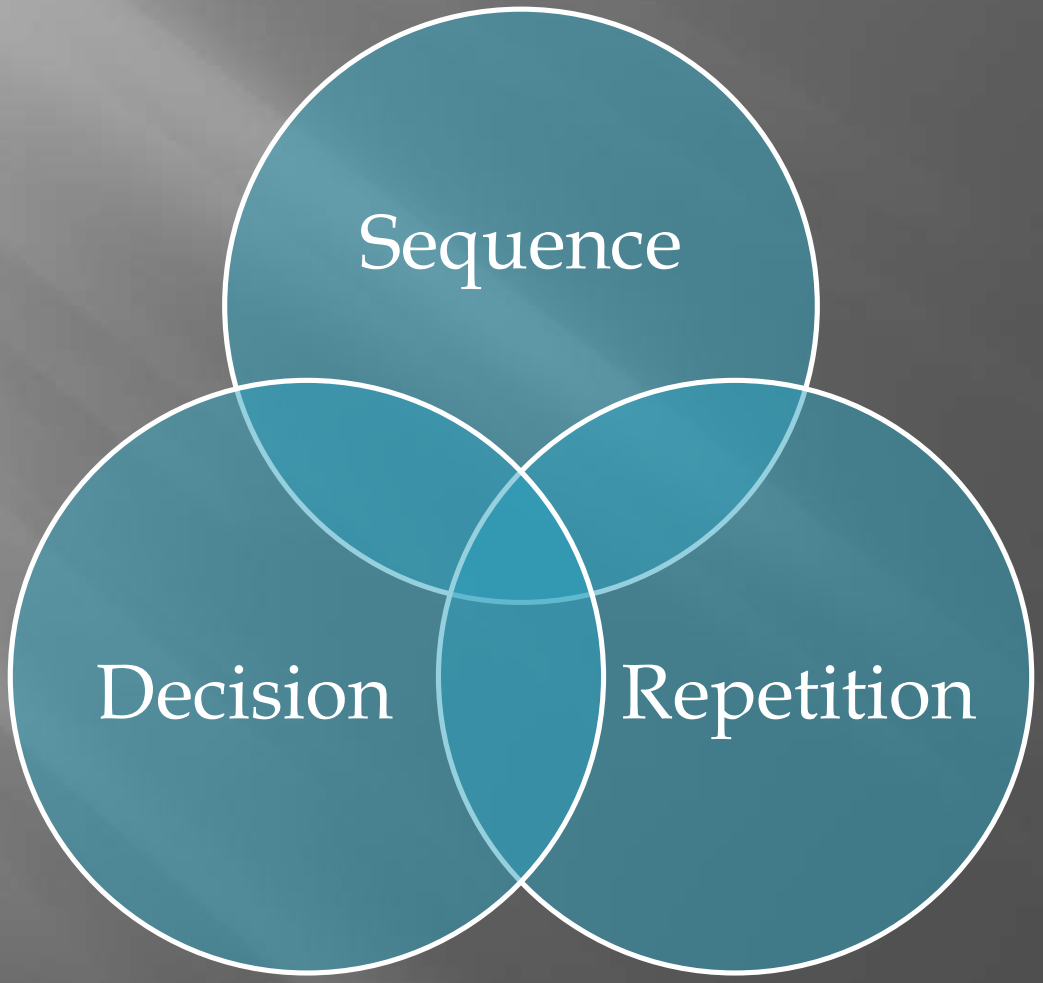


Finiteness



Effectiveness

KEY FEATURES



SEQUENCE

- It is also known as process
- Sequence means that each step or process in the algorithm is executed in the specified order. Each process must be in the proper place.

DECISION

- It is also known as selection.
- In algorithm the result of the decision is either true or false; there is no state in between. The outcomes of the decision is based on some condition that can result in true or false value.
- Example : if today is Sunday then it is holiday.

  Is a decision and the decision takes the general form.

REPETITION

- It is also known as iteration or looping.
- Repetition can be implimented using construct like repeat loop, while loopo and if then ....goto....

EXAMPLES

Write an Algorithm to find the sum of any two numbers.

Solution : Let the two numbers be A and B and their sum be equal to C. The algorithm will be

1. Start
2. Print “Enter two numbers”
3. Input A and B
4. C = A+B
5. Print C
6. Stop

THANK YOU