

Sequential Structure Algorithms

Sequence structures are used when instructions are to be carried out in a particular order.

Example: Instruction 1 Instruction 2 etc.

Example: Write an algorithm to read a number, find its square and print the square of a number.

Steps to the solution:

- Identify Input (number)
- Identify Process (calculating the square)
- Identify Output (print the square of the number)

Basic Mathematical Operators			
Operator	Symbol	Operator	Symbol
Addition	+	Multiplication	*
Subtraction	-	Division	/

Representing the solution as a Pseudocode Algorithm:

NB.

Pseudocode: A language consisting of English-like statements that is used to describe the steps to the solution of a problem. Pseudocode is NOT a programming language.

Begin

Print "Enter a Number"

Read num

sq = num * num

Print "The Square is", sq

End


Representing the solution as a Flowchart:

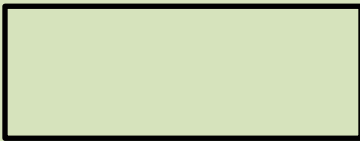
NB.

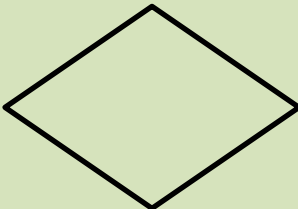
Flowchart: A pictorial representation of the solution to a problem.

Flowcharting Symbols

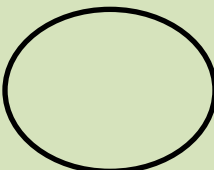
Terminator or Start/Stop 

Input or Output 

Process Box 

Decision 

Flow of Control (Arrow) 

Connector 

Flowchart Solution

