Logic Development - Introduction to Algorithm, Flowchart and Pseudocode

Expression is a combination of _____ , _____ and _____

- [ ] functions
- [x] operators
- [ ] datatypes
- [x] constants
- [ ] keywords
- [x] Variables

Map the symbols n flowchart to its appropriate functionality

1. Diamond	1. Decision making
2. Rectangle	2. Process
3. Parallelogram	3. Input/Output

Order the algorithm to find the modulo of any two given numbers

1. Start
2. Declare 3 variables – multiplier & multiplicand and resultant_ modulo
3. Read the values of multiplier and multiplicand
4. resultant_ modulo = multiplier % multiplicand
5. Display the resultant_ modulo
6. Stop

_____ is a step by step procedure to solve any problem.

- ( ) Flowchart
- ( ) Data Structure
- (x) Algorithm
- ( ) Pseudocode

Logic Development-Arrays

Rearrange the algorithm to obtain and display a name, in correct order:

1. BEGIN
2. DECLARE names[20]
3. INPUT name
4. PRINT name
5. END

Drag and drop the words to their places:

Map the scenario to its appropriate array type

To create a list of all prime numbers below 100 1D ARRAY

To store 5 marks of 3 students 2D ARRAY

Which of the following are False with respect to the manipulation of arrays?

- [ ] An array can store homogenous data.
- [x] It is possible to increase the size of the array
- [x] An array can store heterogeneous data
- [ ] It is possible to sort the elements of an array

Negative elements can be placed inside the array. State true / false

- (x) True
- ( ) False

When we write num[100] = 99.
How many elements can be stored inside the array variable num ?

- ( ) 100
- ( ) Infinite number of elements
- (x) The statement gives no clue about the number of elements can be stored
- ( ) 99