Day 12: Arrays - 1D

1. Find max in array

2. Sum and average of array elements

① All should be of the same data type.

② Accessed using an index, starting from 0.

Notes:

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① declaring an array :- data-type array-name [size];

Ex :- int numbers [6];

② Intializing a 1D array : -

① At declaration : int arr [5] = {10, 20, 30, 40, 50};

// all elements initialised.

② At partial initialization :

int arr [5] = {10, 20};

// remaining elements will be 0.

③ Letting the compiler count size :

int arr [] = {5, 10, 15};

// size is automatically 3.

③ Accessing elements in an array :-

arr [0] = 100; (assigns 100 to the 1st element)

printf ("%d", arr [0]); (prints the first element).