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Arrays is kind of data structure that can store a fix size sequential collection of element of the same type. An array is used to think of an array as a collection of variable of the same type.

Instead of declaring individual variables such as number of o. number[1], ..., number[9] you declare one array variable such as number and use number[0], number[1], ..., number[9] to represent individual variables. A specific element in an array is accessed by an index.

Declaring arrays.

To declare an array in C, a programmer specifies the type of the element and the number of element required by an array as follows.

Type array-name [array-size];

This is called single-dimensional array. The array size must be an integer constant greater than zero and type can be any valid datatype. For example to



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functions used:
write Algorithm / pseudo code of each function

- a) The average score of class
- b) Highest score and lowest score of class
- c) Count of student who were absent for the test
- d) Display marks with highest frequency

Algorithm:- For to find out the highest score of class.

Step 1: Start

Step 2: Initialize H score - 0

Step 3:- Accept subject FDS marks on N students
from user for absent student please enter -1

Step 4:- Take mark m from mark till marks avail in
it IF nor go to steps.

Step 4.1:- check if $m < Hscore$ then go to step 4.

Step 4:- check if $m < Hscore$ then go to step 4

Step 5:- Display the highest score of q class is
H score

Step 6: Stop.



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Algorithm:- Find out lowest score of class.

Step 1:- Start

Step 2:- Initialize L score = 999

Step 3:- Accept subject FDS marks of N student

from user for absent student please enter -1

Step 4:- Take mark m from marks avails in it. if not

go to step 5.

Step 4.1:- check if $m = -1$ then go to step 4.

Step 4.2:- check if $m < L$ score then set L score =

m and go to step 4.

Step 5:- Display the lowest score of class in L score

Step 6:- Stop.

Algorithm :- To find out low count of students who where

absent to the test.

Step 1:- Start

Step 2:- Initialize locute = 0

Step 3:- Accept subject FDS marks of N student from

user for absent student please enter -1.

Step 4:- take mark m from marks till marks avail.

in it, if not go to step 5.

Step 4.1:- check if $m = -1$ then increment count by

i.e $count = count + 1$ and go to step 4.



Conclusion

By this way, we can store the marks of N students successfully

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