Array Pointers

Problem | Submissions | Leaderboard | Discussions

Write a C Program to read an array, then display the array twice. Once using the *index*, and the other time using the *array pointer*.

Input Format

- The first line contains the *length(n)* of the array.
- The second line contains *'n'* integers as the elements of the array.

Constraints

- 0 < array length <= 100
- 1 < arr[i] < 100
- First array should be made with **indexes**.
- Second arrayy should be made using the **array pointer**.

Output Format

Both the lines display the appropriate message with the array.

- DISPLAYING USING INDEX:
- DISPLAYING USING POINTERS:

Sample Input 0

```
5
7 3 5 2 3
```

Sample Output 0

```
DISPLAYING USING INDEX: 7 3 5 2 3
DISPLAYING USING POINTERS: 7 3 5 2 3
```

Submissions: 32
Max Score: 10
Difficulty: Medium

Rate This Challenge:

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Current Buffer (saved locally, editable) C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
```

```c

int main()
{
    int i,value [200],n;
    scanf ("%d",&n);
    for (i=0;i<n;i++)
    {
        scanf("%d",value+i);
    }
    printf ("DISPLAYING USING INDEX: ");
    for (i=0;i<n;i++)
    {
        printf("%d ",value[i]);
    }
    printf ("\n");

    printf ("DISPLAYING USING POINTERS: ");
    for (i=0;i<n;i++)
    {
        printf("%d ", *(value+i));
    }
    return 0;
}

```

Line: 1 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code

Testcase 0 ✔

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
5
7 3 5 2 3
```

Your Output (stdout)

```
DISPLAYING USING INDEX: 7 3 5 2 3
DISPLAYING USING POINTERS: 7 3 5 2 3
```

Expected Output

```
DISPLAYING USING INDEX: 7 3 5 2 3
DISPLAYING USING POINTERS: 7 3 5 2 3
```