

Assignment 03 (Array & String)

EX1: C function to find the length of string.

Output:

Enter a string: Hello

Length of the string: 5

EX2: C Function to insert an Element in an Array.

Output:

Enter the number of elements of this array: 6

Enter the Elements: 1 5 6 8 2 4

Enter the element to be inserted in the array: 3

Enter the index of the number: 1

The new Array is: 1 3 6 8 2 4

EX3: C program to search a bout number in an Array.

Output1:

Enter the number of elements of this array: 6

Enter the Elements: 10 51 68 48 22 43

Enter the number you want to find: 68

The number was found at index 2

Output2:

Enter the number you want to find: 44

This number does not exist, try again.

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EX4: write a program to check whether any digits in a number appears more than once:

Output1:

Enter the number: 14312 ➔ (in this number 1 is exist twice so it will print yes)

yes

Output2:

Enter the number: 1432

No

EX5: write a program to get the number of elements of this array 😊

EX6: predict the output.

```
int main()
{
    // Asume that int is 2 Bytes
    int arr[][3] = {{1,4} , {5,6,7} , {8} };
    printf("%d %d %d %d" , sizeof(arr) , arr[0][2] , arr[1][1] , arr[2][0]);
}
```