

## Quiz 6

PROBLEM SOLVING IN C  
(CSCE 105, SPRING 2006)

URL: <http://www.cse.unl.edu/~cstrobe/csce105s06/>

(20 points)

*21st April, 2006*

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Name :

Course No : **CSCE105**

1. (10 points)

Given the following declaration:

```
int array[] = { 3, 9, 4, 6 };
int number_of_elements = 4;
```

write a function named `Find_Max` that takes 2 variables: (1) The array, and (2) the number of elements in the array. This function will find the maximum value element in the array and return the **index** of the maximum element.

```
int Find_Max(int *array, int num_el) {
    int i, max = -100000, index;

    for(i = 0; i < num_el; i++) {
        if(array[i] > max) {
            max = array[i];
            index = i;
        }
    }
    return index;
}
```

2. (5 points)

- (1) Declare a string called `str` that is initialized to "Have a nice day!".
- (2) Using the following code:

```
char str2[16];
i=0;
x=0;
while(i < 16) {
    if(str[i] != ' ') {
        str2[x] = str[i];
        x++;
    }
    i++;
}
str2[x] = '\0';
printf("%s\n", str2);
```

what would be printed?

- (1) `char str[50] = "Have a nice day!";`
- (2) Haveaniceday!