



Computer Programming (CS-B)

Quiz 02

FALL 2018

Name & Roll No.

Total marks: 10

Total Time: 20 Mins.

Q1. Write a function **char* ReverseSentence(char*)** that takes a sentence and returns it in reverse order. For exampleString: "This is quiz 02".

After calling **ReverseSentenceString**:

Output is: "02 quiz is This" (You can change the original string)

- You cannot change the function prototypes given in the question.
- Built-in string functions **to reverse** a string are not allowed.

Solution:

```
#include<iostream>
using namespace std;

string wordReverse(string str)
{
    int i = str.length() - 1;
    int start, end = i + 1;
    string result = "";

    while(i >= 0)
    {
        if(str[i] == ' ')
        {
            start = i + 1;
            while(start != end)
                result += str[start++];

            result += ' ';

            end = i;
        }
        i--;
    }
    start = 0;
    while(start != end)
        result += str[start++];

    return result;
}
```

```
// Driver code  
int main()  
{  
    string str = "This is Quiz 02";  
  
    cout << wordReverse(str);  
  
    return 0;  
}
```