

## Day-46 of the #101 days of the Coding Challenge-----

**Problem:-** Write a C++ program to find the largest word and Number of character in a given string.

Example:

Sample Input: C++ is a general purpose programming language.

Sample Output: programming, 11

Code:-

```
#include<iostream>
```

```
#include<string>
```

```
using namespace std;
```

```
void maxLengthWord(string str)
```

```
{
```

```
    int maxCount = 0;
```

```
    string maxWord;
```

```
    int count = 0;
```

```
    string currentWord;
```

```
    for(int i = 0; i < str.length(); i++)
```

```
    {
```

```
        if(str[i] != ' ')
```

```
        {
```

```
        currentWord += str[i];  
        count++;  
    }  
    else  
    {  
        if(count > maxCount)  
        {  
            maxCount = count;  
            maxWord = currentWord;  
        }  
        currentWord.clear();  
        count = 0;  
    }  
}
```

```
// Check the last word  
if(count > maxCount)  
{  
    maxCount = count;  
    maxWord = currentWord;  
}
```

```
cout << "Maximum Word: " << maxWord << " : Number of Characters: " <<  
maxCount << endl;
```

```
}
```

```
int main()
```

```
{
```

```
    string str;
```

```
    cout << "Enter the String:" << endl;
```

```
    getline(cin, str);
```

```
    maxLengthWord(str);
```

```
    return 0;
```

```
}
```

Output:-

```
Enter the String:
C++ is a general purpose programming language
Maximum Word: programming : Number of Characters: 11
-----
```