

MODULE 4 ASSESSMENT

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Course & Year: BSCS – 1

- Write a C++ procedure to count the number of substrings from a given string

CODE:

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

int countSubString(string str, string subStr)
{
    int Str = str.length();
    int sub = subStr.length();
    int total = 0;

    for(int i=0; i<= Str - sub; i++)
    {
        int j;
        for(j=0; j < sub; j++)
        {
            if(str[i+j] != subStr[j])
                break;
        }

        if(j==sub)
        {
            total++;
            j=0;
        }
    }
    return total;
}
```

```
}
int main()
{
    string str,subStr;
    cout<<"Input string:";
    getline(cin,str);
    cout<<"Substring: ";
    cin>>subStr;
    cout<<"Number of Substrings: "<<countSubString(str,subStr);
}
```

OUTPUT:

```
Input string:Commercial Computer
Substring: er
Number of Substrings: 2
Process returned 0 (0x0)   execution time : 5.068 s
Press any key to continue.
```