

Hands On: Counting Substrings

Processing substrings requires a little more work than processing individual characters. On the next page you'll find a function, `countSubs()`, which counts the number of times that one string, `s2`, appears inside another, `s1`.

► *Watch the solution video*

Complete the **stub** by adding a variable to hold the **count**, and then **return** it. Your code should now compile and run. You might even get a few correct.

```
int countSubs(const string& s1, const string& s2)
{
    int count{0};
    . . .
    return count;
}
```

Next, to extract a **substring** from `str`, you use the code:

```
string subs = s1.substr(index, count);
```

The variable `index` is the position you want to start extracting from, and `count` is the number of characters to extract. Compare the substring to `s2`, and, if it matches, count it.

```
if (subs == s2) { ++count; }
```

Go ahead and complete the exercise on the next page, and then come back here and check your work with the solution below.



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