C++ Programming STL String

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String

```
  16 14.cpp 
  □ template

  1 #include <iostream>
                                 // Covers all you need typically
  2 #include <bits/stdc++.h>
  3 using namespace std;
  5⊖int main() {
        string test = "hi abc abc abc abc";
  6
  7
  8
        cout << test.substr(3) << "\n":
                                                 // abc abc abc abc
  9
        cout << test.substr(3, 5) << "\n";
                                                 // abc
 10
 11
        cout << test.find("abc") << "\n";</pre>
                                                 // 3
 12
 13
        // starting the search at 6th character
 14
        cout << test.find("abc", 5) << "\n";
                                                 1/7
 15
 16
        cout << "Mostafa at: " << test.find("Mostafa") << "\n"; // 18446744073709551615
 17
        cout << "Mostafa at: " << (int) test.find("Mostafa") << "\n": // -1
 18
 19
        //Functions that searches for a CHARACTER from a given string
 20
        cout << test.find last of("cab") << "\n";</pre>
                                                              // 17
 21
        cout << test.find first of("aic") << "\n";</pre>
                                                              // 1
 22
        cout << test.find first of("aic", 4) << "\n";</pre>
                                                              // 5
 23
        cout << test.find first not of("aic") << "\n";</pre>
                                                              // 0
 24
 25
        // replace from 4, 3 chars with x
 26
        test.replace(4, 3, "x");
 27
        cout<<test<<"\n":
                                     // hi axabc abc abc
 28
 29
        return 0;
30
 31
```

"Acquire knowledge and impart it to the people."

"Seek knowledge from the Cradle to the Grave."