프로그래밍언어 – string

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```
string s1;
char c[] = "c string";
string s2(c); كا
string s3 = c;
c(1) = ' \cdot 0';
string s4(c); (
string s5 = c;
string s6(10), ['!');
string s7 = "abcdefg";
```

```
string s1, s2;
cin >> s1 >> s2;
cout << s1 << ' ' << s2;</pre>
```

단어의 개수

https://www.acmicpc.net/problem/1152

https://gist.github.com/Baekjoon/32d83ef9853706fb2386

문자열분석

https://www.acmicpc.net/problem/10820

• https://gist.github.com/Baekjoon/228b31a4f2fb84e49f0a

정수의개수

https://www.acmicpc.net/problem/10821

- https://gist.github.com/Baekjoon/dcd8751c1ff39204483a
- getline의 세 번째 인자는 구분자

```
string s1, s2;
cin >> s1 >> s2;
cout << s1 << ' ' << s2;</pre>
```

```
string s = "abc";
printf("%s\n",s.c_str());
s += "def";
printf("%s\n",s.c_str());
s = "";
printf("%s\n",s.c_str());
s = "abcdefghijklmnopqrstuvwxyz";
printf("%s\n",s.c_str());
```

```
string s = "book";
cout << s << ": " << s.size() << '\n';
cout << s << ": " << s.length() << '\n';
cout << s << ": " << s.size() << '\n';
cout << s << ": " << s.size()-1 << '\n';
```

STL

book: 4

book: 4

: 0

: 18446744073709551615

단어 길이 재기

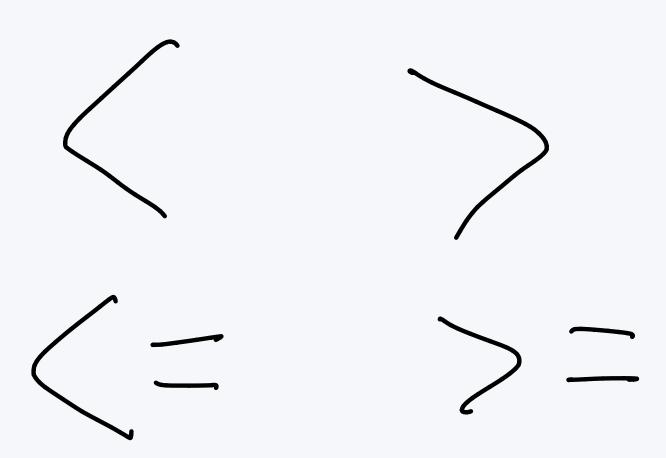
https://www.acmicpc.net/problem/2743

• https://gist.github.com/Baekjoon/ca6054e85bad2a517002

```
string s = "book";
cout << s << ": " << s.empty() << '\n';

s = "";
cout << s << ": " << s.empty() << '\n';</pre>
```

```
string s1 = "string";
string s2 = "stirng";
if (s1 == s2) {
    cout << "s1 == s2" << '\n';
} else if (s1 != s2) {
    cout << "s1 != s2" << '\n';
if (s1 < s2) {
    cout << "s1 < s2" << '\n';
} else if (s1 > s2) {
    cout << "s1 > s2" << '\n';
```



```
Hello World
string a = "Hello";
string b = "World";
string <u>hello_world</u> = (a) + " " + b;
hello_world (+=) "!";
cout << hello_world << '\n';</pre>
```

string STL

```
string a = "Hello";
string b = "World";

string hello_world = a + " " + b;
hello_world.push_back('!');

cout << hello_world << '\n';</pre>
```

```
string a = "He";
a.append(2, (1)); // "Hell"
a.append("o").append(1, ' '); // "Hello_"
string b = "";
const char *c = ("World";
b.append(c); // "World"
string hello_world = a; // "Hello "
hello_world.append(b); // "Hello World"
hello_world.push_back(('!'); // "Hello World!"
cout << hello_world << '\n';</pre>
```

```
STL
  string s = "e"; // "e"
  s.insert(0, "H"); // "He"
s.insert(2), 2, (11) (append(" ")), // "Hello "
  string world = "Half the World Away";
 s.insert(6) world, (9, 5).push_back('!'); // "Hello World!"
```

```
string str = ("10");
int number = stoi(str);
print(str, number); /o
number = stoi(str, 0)(2);
print(str, number);
number = stoi(str, 0, (16);
print(str, number);
```

```
str = "21 Guns";
number = stoi(str);
print(str, number);

str = "3.141592";
number = stoi(str);
print(str, number);
```

```
STL
/*
str = "2147483648";
number = stoi(str);
print(str, number);
str = "hello";
number = stoi(str);
print(str, number);
*/
```

더하기

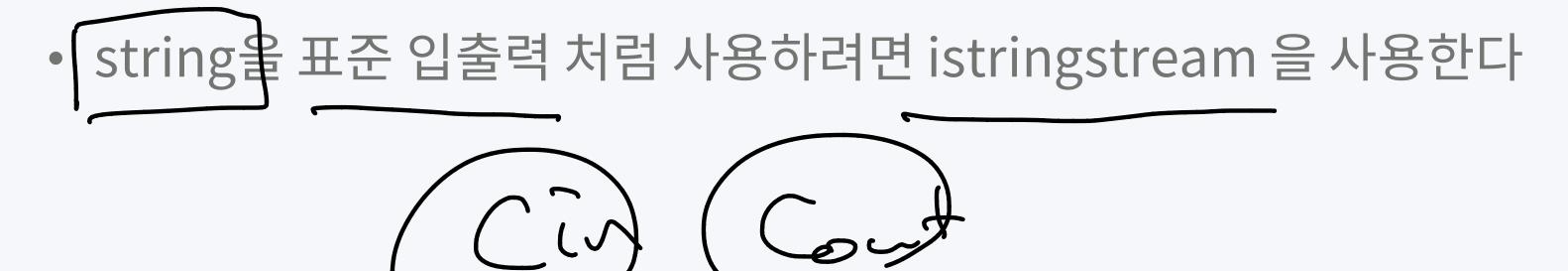
https://www.acmicpc.net/problem/10822

• https://gist.github.com/Baekjoon/c5a8983b405951c9e4a2

더하기2

https://www.acmicpc.net/problem/10823

• https://gist.github.com/Baekjoon/308a504b631264363a20



STL

- unsigned long: stoul
- unsigned long long: stoull
- float: stof
- double: stod
- long double: stold

dong long

```
long long l1 = 2147483647;
long long l2 = 2147483647;
s1 = to_string(l1);
s2 = to_string(l2);
cout << s1 + ' ' + s2 << '\n';
      2(4748364) 2(4748364)
```

```
double d = 3.141592;
float f = 65358979.0;

s1 = to_string(d);
s2 = to_string(f);

cout << s1 + ' ' + s2 << '\n';</pre>
```



https://www.acmicpc.net/problem/10824

• https://gist.github.com/Baekjoon/88d1ecca80dd87b17dd2