## C++ String class

Classes are like types that

- He programmer designs
- can be more complex than the simple type.

Think about the type bool, that omes with its own operators 48, ! !!

In the world of classes, the special-purpose functions are called methods.

Fach instance, call it X, of a class, has the class methods associated with it X. inc(); // These don't make X. print (); // much sense to us X. print (); // now - we will study objects later.

```
#include < string / /gives you the library
                      // of furctions (methods)
                     // that are associated with
                     / Strings
String S1; // we can declare an instance
             // of the object string
String S2;
SI = "hello!";
cout << s1;
                  Mnaybe user entered "Ha!
cin >> 51;
S2 = S1
SI = "goodbye.";
int x = s1. length(); //assigns 8 to x
                           // (does not include a
                           1 null-terminator)
cout K S1 [3]; / what is printed to screen?
S1 = "You" + " are furry.";
+ is an overloaded operator.
on strings, + means 'concat'
```

## String comparisons

"aab" < "ab"