

Submitter: dereky1(Yang,Derek)

=====start of the write-up=====

String_test

```
dereky1@elke-huebsch:~/45c/hw3
$ g++ string_test.cpp -o string_test
dereky1@elke-huebsch 01:15:19 ~/45c/hw3
$ string_test
=====
COMMENCING THE TESTING PROCESS...
=====

TESTING CONSTRUCTOR AND PRINT()

hello is the string object
world is the next string object
together: helloworld

TESTING SIZE()

African is 7 characters long.
Savannah is 8 characters long.

TESTING ASSIGNMENT

e is now Empty
After assignment, e is now Full
After another assignment, e is now Half Full

TESTING INDEXING

The second letter of Iguanna is g
The last letter of Iguanna is a

TESTING REVERSE()

Reverse reversed is esrever')@
Verse reversed is esreV
Eggos reversed is soggeE

TESTING == and !=

a == b : 0 should be false
a == a : 1 should be true
a != b : 1 should be true
a != a : 0 should be false

TESTING <, >, <=, >=

a>b : 0 should be false
b>a : 1 should be true
a>a : 0 should be false
b<b : 0 should be false
a>=b : 0 should be false
a<=b : 1 should be true
```

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```
dereky1@elke-huebsch:~/45c/hw3

TESTING +, +=

c=a+b: c=abcdefghijklm, should be abcdefghijklm
a+=b: a=abcdefghijklm, should be abcdefghijklm
d=a+a: d=abcdefabcdef, should be adcdefabcdef
d+=a: d=abcdefabcdefabcdefghijklm, should be abcdefabcdefabcdefghijklm

TESTING indexOf()

The index of a is 0, should be 0
The index of bcd is 0, should be 1
The index of e is 4, should be 4

TESTING read()

Type in a string you would like to store into This
Hello
This is inside This: Hello
Type something else
Goodbye World!
This is now inside This: Goodbye World!

=====
TESTING HAS FINISHED...
=====
dereky1@elke-huebsch 01:16:34 ~/45c/hw3
$
```

=====end of the write-up=====