zhaohuaz@cheryl-tunt 10:42:09 ~

$ cd Homework/hw5

zhaohuaz@cheryl-tunt 10:42:21 ~/Homework/hw5

$ ls

my\_main.cpp String.cpp String.h **test**\* test\_main.cpp

zhaohuaz@cheryl-tunt 10:42:23 ~/Homework/hw5

$ g++ -std=c++0x String.cpp my\_main.cpp -o test

zhaohuaz@cheryl-tunt 10:42:38 ~/Homework/hw5

$ ./test

=========testing constructor========

------String(const char \*s = "")--------

test 1:

Hello World

test 2: Hello from the other side

test 3:

------String(const String & s)--------

test 1:

Hello World

test 2:

Hello from the other side

==========end of constructor test===========

=========testing test\_operator = (const String & s) =========

test 1:

String s1:

const String & cs1 = Hello World

s1 = cs1

s1: Hello World

test 2:

String s2: Life is so hard

const String & cs2: Hello from the other side

s2 = cs2

s2: Hello from the other side

==========end of operator = test============

========testing index operator=========

test 1:

s1: Hello World

s1[4]: o

when index bigger than len:

s1[20]:

test 2:

s2: Life is so hard

s2[3]: e

when index bigger than len:

s2[17]:

==========end of index test=================

=========testing length() ================

test 1:

Hello World length: 11

test 2:

Hello from the other side length: 25

==========end of length test==================

========testing indexOf ================

------testing int indexOf(const char c)-------

test 1:

Hello World index of o: 4

test 2:

Life is hard index of i: 1

test 3:

Life is hard index of k: -1

==========end of indexOf test===============

=========testing operator == ===========

test 1:

Hello World == Hello World is 1

test 2:

Hello World == Life is hard is 0

test 3:

Hello World == Hello from the other side is 0

==========end of == test====================

=========testing operator < =============

test 1:

Hello World < Hello World is 0

test 2:

Hello World < Life is hard is 0

test 3:

Hello World < Hello from the other side is 0

test 4:

Hello from the other side < Hello World is 1

==========end of < test=====================

=========testing operator + =============

test 1:

Hello World

+

Hello World

is

Hello WorldHello World

s1 is Hello World

test 2:

Hello World

+

Life is hard

is

Hello WorldLife is hard

s1 is Hello World

test 3:

Hello World

+

Hello from the other side

is

Hello WorldHello from the other side

s1 is Hello World

test 4:

Hello from the other side

+

Hello World

is

Hello from the other sideHello World

s3 is Hello from the other side

==========end of + test=====================

=========testing operator += =============

test 1:

Hello WorldHello World

+=

Hello WorldHello World

is

Hello WorldHello World

s1 is Hello World

test 2:

Hello WorldHello WorldLife is hard

+=

Life is hard

is

Hello WorldHello WorldLife is hard

s1 is Hello WorldHello World

test 3:

Hello WorldHello WorldLife is hardHello from the other side

+=

Hello from the other side

is

Hello WorldHello WorldLife is hardHello from the other side

s1 is Hello WorldHello WorldLife is hard

test 4:

Hello from the other sideHello WorldHello WorldLife is hardHello from the other side

+=

Hello WorldHello WorldLife is hardHello from the other side

is

Hello from the other sideHello WorldHello WorldLife is hardHello from the other side

s3 is Hello from the other side

==========end of += test====================

=========testing cin ===================

Test 1: Enter a test string: hello world

hello world

Test 2: Enter a test string: hello from the other side

hello from the other side

==========end of cin test===================