7-2 測試報告

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Constructor/Operator<<

```
*************** Test constructor ***************

(1) Default constructor MyString():
     a : a is empty.
   ans : a is empty.

(2) MyString(const char*) :
     b : hello world!
   ans : hello world!
     capacity=20 (ans=20), size=12 (ans=12)

(3) Substring constuctor MyString (MyString &, size_t, size_t) :
     c : hello
   ans : hello
     capacity=10 (ans=10), size=5 (ans=5)

(4) Copy constructor MyString(MyString &) :
      d : hello world!
    ans : hello world!
     capacity=20 (ans=20), size=12 (ans=12)
```

Operator>>

```
**************** Test operator>> ****************

Enter a string : hello how are you
hello how are you
capacity=20 , size=17
```

Function append

```
**************** Test function append ****************

(1) e : Driver program
    ans : Driver program
      let e.append(!!!!!!!!) -> e : Driver program!!!!!!!!
                                ans : Driver program!!!!!!!!
    capacity=40 (ans=40), size=22 (ans=22)

(2) MyString f = e.append(hey)
      f : Driver program!!!!!!!!hey
    ans : Driver program!!!!!!!!hey
      capacity=40 (ans=40), size=25 (ans=25)
```

Function insert

```
**************** Test function insert ****************

(1) MyString& insert(size_t, MyString&) :
    MyString i(beautiful )
    let b.insert(6,i)
    b : hello beautiful world!
  ans : hello beautiful world!
    capacity=40 (ans=40), size=22 (ans=22)

(2) MyString& insert(size_t, MyString &, size_t, size_t) :
    let d.insert(6,i,0,4)
    d : hello beauworld!
  ans : hello beauworld!
    capacity=20 (ans=20), size=16 (ans=16)
```

Function substr

```
**************** Test function substr ****************

(1) MyString g=f.substr(14, 11) :
    g : !!!!!!!!!hey
  ans : !!!!!!!!!hey
    capacity=20 (ans=20), size=11 (ans=11)

(2) MyString h=b.substr(3) :
    h : lo world!
  ans : lo world!
    capacity=10 (ans=10), size=9 (ans=9)
```

Function erase

```
**************** Test function erase ****************

(1) let c.erase(2,3) :
    c : he
  ans : he

    capacity=10 (ans=10), size=2 (ans=2)
```

Function
find/find_first_of

```
**************** Test function find/find_first_of ****************

(1) find *beautiful* in b : 6 (ans=6)

(2) find *big* in b : -1 (ans=-1)

(3) find_first_of *zzxx* in b : -1 (ans=-1)

(4) find_first_of *zeaxy* in b : 1 (ans=1)

(5) find_first_of *ccod* in b : 4 (ans=4)
```