

Lab 3

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ENSF 480

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University of Calgary

Exercise A output

```
$ ./a.exe

The first element of vector x contains: 999
Testing an <int> Vector:

Testing sort
-77
88
999

Testing Prefix --:
999
88
-77

Testing Prefix ++:
88
999
-77

Testing Postfix --
-77
999
88
Testing a <Mystring> Vector:

Testing sort
All
Bar
Foo

Testing Prefix --:
Foo
Bar
All

Testing Prefix ++:
Bar
Foo
All

Testing Postfix --
All
Foo
Bar
Testing a <char *> Vector:

Testing sort
Apple
Orange
Pear
Program Terminated Successfully.
```

Exercise B output

```
$ ./a.exe

Creating and testing Customers Lookup Table <Customer>-...

Printing table after inserting 3 new keys and 1 removal...
8001 Nmae: Jack Lewis. Address: 12 St. Calgary.. Phone:: (403)-1111-123334
8002 Nmae: Joe Morrison. Address: 11 St. Calgary.. Phone:: (403)-1111-123333

Let's look up some names ...

Found key:8001 Nmae: Jack Lewis. Address: 12 St. Calgary.. Phone:: (403)-1111-123334
Sorry, I couldn't find key: 8000 in the table.

Testing and using iterator ...

The first node contains: Nmae: Jack Lewis. Address: 12 St. Calgary.. Phone:: (403)-1111-123334
Nmae: Jack Lewis. Address: 12 St. Calgary.. Phone:: (403)-1111-123334
Nmae: Joe Morrison. Address: 11 St. Calgary.. Phone:: (403)-1111-123333

Test copying: keys should be 8001, and 8002
8001 Nmae: Jack Lewis. Address: 12 St. Calgary.. Phone:: (403)-1111-123334
8002 Nmae: Joe Morrison. Address: 11 St. Calgary.. Phone:: (403)-1111-123333

Test assignment operator: key should be 8001
8001 Nmae: Jack Lewis. Address: 12 St. Calgary.. Phone:: (403)-1111-123334

Printing table for the last time: Table should be empty...
Table is EMPTY.
***-----Finished tests on Customers Lookup Table <not template>-----***
PRESS RETURN TO CONTINUE.

Creating and testing LookupTable <int, Mystring> .....

Printing table after inserting 3 new keys and 1 removal...
8001 C++ is a powerful language for engineers but it's not easy.
8002 I am an ENEL-409 student.

Let's look up some names ...

Found key:8001 C++ is a powerful language for engineers but it's not easy.
Sorry, I couldn't find key: 8000 in the table.

The first node contains: C++ is a powerful language for engineers but it's not easy.
C++ is a powerful language for engineers but it's not easy.
I am an ENEL-409 student.

Test copying: keys should be 8001, and 8002
8001 C++ is a powerful language for engineers but it's not easy.
8002 I am an ENEL-409 student.

Test assignment operator: key should be 8001
8001 C++ is a powerful language for engineers but it's not easy.

Printing table for the last time: Table should be empty ...
Table is EMPTY.
***-----Finished Lab 4 tests on <int> <Mystring>-----***
PRESS RETURN TO CONTINUE.
```

PRESS RETURN TO CONTINUE.

Creating and testing LookupTable <int, int>

Printing table after inserting 3 new keys and and 1 removal...

8001 8888

8002 9999

Let's look up some names ...

Found key:8001 8888

Sorry, I couldn't find key: 8000 in the table.

8888

9999

Test copying: keys should be 8001, and 8002

8001 8888

8002 9999

Test assignment operator: key should be 8001

8001 8888

Printing table for the last time: Table should be empty ...

Table is EMPTY.

-----Finished Lab 4 tests on <int> <int>-----

Program terminated successfully.