Test Cases – Project 11

// The first run tests all the options to show they work

//The second two runs show for different outputs

Script started on April 17, 2018 09:09:25 PM CDT

> g++ BST.cpp BST.h main.,c[K[Kcpp

> a.out

f -- Read an inventory from a file.

i -- Insert an item into the inventory.

r -- Remove an item from the inventory.

e -- Report if the inventory is empty.

a -- Report an item's information.

v -- Report the inventory's total value.

p -- Print the inventory to the terminal.

h -- See this menu.

q -- Quit the program.

f

Enter Inventory file name:

inventory.dat

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1 hi 5 5.5

2 wrench 2 2.5

3 hammer 3 3.5

4 stack 4 4.5

Enter the description of an item:

Number:5

Name:Screw

Quantity:78

Price:0.99

h

f -- Read an inventory from a file.

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v -- Report the inventory's total value.

p -- Print the inventory to the terminal.

h -- See this menu.

q -- Quit the program.

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1 hi 5 5.5

2 wrench 2 2.5

3 hammer 3 3.5

4 stack 4 4.5

5 Screw 78 0.99

r5

The item with the id number 5 was removed

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1 hi 5 5.5

2 wrench 2 2.5

3 hammer 3 3.5

4 stack 4 4.5

e

The inventory is not emptya1

1ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1 hi 5 5.5

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1 hi 5 5.5

2 wrench 2 2.5

3 hammer 3 3.5

4 stack 4 4.5

v

The total Value of the inventory is: 61h

f -- Read an inventory from a file.

i -- Insert an item into the inventory.

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e -- Report if the inventory is empty.

a -- Report an item's information.

v -- Report the inventory's total value.

p -- Print the inventory to the terminal.

h -- See this menu.

q -- Quit the program.

q

> exit

exit

script done on April 17, 2018 09:13:25 PM CDT

Script started on April 17, 2018 09:17:39 PM CDT

> g++ BST.cpp BST.h main.cpp

> a.out

f -- Read an inventory from a file.

i -- Insert an item into the inventory.

r -- Remove an item from the inventory.

e -- Report if the inventory is empty.

a -- Report an item's information.

v -- Report the inventory's total value.

p -- Print the inventory to the terminal.

h -- See this menu.

q -- Quit the program.

f

Enter Inventory file name:

inventory.dat

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5 truck 5 1000

6 wrench 2 6

8 hammer 3 5.2

10 stack 4 6.7

i

Enter the description of an item:

Number:12

Name:toothbrush

Quantity:7

Price:2.00

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5 truck 5 1000

6 wrench 2 6

8 hammer 3 5.2

10 stack 4 6.7

12 toothbrush 7 2

h

f -- Read an inventory from a file.

i -- Insert an item into the inventory.

r -- Remove an item from the inventory.

e -- Report if the inventory is empty.

a -- Report an item's information.

v -- Report the inventory's total value.

p -- Print the inventory to the terminal.

h -- See this menu.

q -- Quit the program.

r12

The item with the id number 12 was removed

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5 truck 5 1000

6 wrench 2 6

8 hammer 3 5.2

10 stack 4 6.7

v

The total Value of the inventory is: 5054.4e

The inventory is not emptyq

> exit

exit

script done on April 17, 2018 09:19:32 PM CDT

Script started on April 17, 2018 09:22:42 PM CDT

> a.out

f -- Read an inventory from a file.

i -- Insert an item into the inventory.

r -- Remove an item from the inventory.

e -- Report if the inventory is empty.

a -- Report an item's information.

v -- Report the inventory's total value.

p -- Print the inventory to the terminal.

h -- See this menu.

q -- Quit the program.

e

The inventory is empty.f

Enter Inventory file name:

ine ventory.dat

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

100 truck 5 5000

200 wrench 2 20

300 hammer 3 15.78

400 stack 4 560.98

v

The total Value of the inventory is: 27331.3h

f -- Read an inventory from a file.

i -- Insert an item into the inventory.

r -- Remove an item from the inventory.

e -- Report if the inventory is empty.

a -- Report an item's information.

v -- Report the inventory's total value.

p -- Print the inventory to the terminal.

h -- See this menu.

q -- Quit the program.

e

The inventory is not emptyr400

The item with the id number 400 was removed

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

100 truck 5 5000

200 wrench 2 20

300 hammer 3 15.78

q

> exit

exit

script done on April 17, 2018 09:23:50 PM CDT

The total Value of the inventory is: 27331.3h

f -- Read an inventory from a file.

i -- Insert an item into the inventory.

r -- Remove an item from the inventory.

e -- Report if the inventory is empty.

a -- Report an item's information.

v -- Report the inventory's total value.

p -- Print the inventory to the terminal.

h -- See this menu.

q -- Quit the program.

e

The inventory is not emptyr400

The item with the id number 400 was removed

p

ID Name quantity price

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

100 truck 5 5000

200 wrench 2 20

300 hammer 3 15.78

q

> exit

exit

Script done, file is typescript

>