Name:	

```
struct Item
       string name;
       int quantity;
       float cost;
};
const int MAX_SIZE = 50;
class ManageInventory
public:
       ManageInventory(): count{0}, p_pInventoryItems {new Item*[size]} {}
       ManageInventory(int size): size{size}, count{0}, p_pInventoryItems {new
Item*[size]} { }
       ~ManageInventory();
       void addItem(string name, int quantity, float cost);
private:
       int size {MAX_SIZE};
       int count;
       Item ** p_pInventoryItems;
};
```

- 1. Write the definition for addItem. Use the new operator to dynamically create instances of type Item. Store pointers to inventory items in the inventoryItems array.
- 2. Write the ManageInventory class destructor definition. Use the delete operator to dynamically destroy all Item objs stored in the *inventoryItems* array.

CS1C Summer 2019 MTWTH HW07EC +10pts Due: Th 6/27/2019

cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec \$ script hw07ec.scr Script started, file is hw07ec.scr

HW07 Extra Credit - Dynamic Memory [+10%]

```
cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec $ date
...
cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec $ ls -l
...
cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec $ make all
...
cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec $ ls -l
...
cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec $ ls -l
...
cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec $ ./hw07ec
... // instantiate manage inventory obj, add five items
cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec $ exit
Script done, file is hw07ec.scr
cs1c@cs1c-VirtualBox ~/cs1c/hw/07ec $ make tar
...
Submit the tar package file hw07ec.tar by Thursday June 27, 2019.
```