```
Script started on 2023-12-06 18:25:20-06:00 [TERM="xterm" TTY="/dev/pts/4" COLUMNS=
a vitale3@ares:~$ pwd
/home/students/a vitale3
a vitale3@ares:~$ cat DoWhatProblems.info
Name: Andrew Vitale
Class: CSC121
Activity: You Want Me To Do What Problems?
Level: 4
Description:
Takes a list of problems from a problem set and displays each individual problem
to complete.
a vitale3@ares:~$ show-code DoWhatProblems.cpp
DoWhatProblems.cpp:
     1 #include <iostream>
     2 #include <vector>
       #include <string>
     4 #include <limits>
       using namespace std;
     8
       int main()
    9 {
    10
    11
            vector<int> first probs, second probs; //problems = {first probs, second
            int int input = 0;
    12
            bool exit = false;
    13
            string input;
    15
            do
    16
            {
    17
                cout << "Enter problems: ";</pre>
    18
    19
                    if (cin.peek() == '-' && first probs.size() > second probs.size
    20
    21
    22
                        //cout << 2;
    23
                        cin.ignore(1);
    24
                        if(isdigit(cin.peek()))
```

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25
26
                         cin >> int input:
27
                         second probs.push back(int input);
28
29
30
                 else if (isdigit(cin.peek()))
31
32
                     //cout << 1;
33
                     cin >> int input;
                     first probs.push back(int input);
34
35
                     if (cin.peek() == ',')
36
37
                         second probs.push back(0);
38
39
40
                 else if (cin.peek() != '\n')
41
42
                     //cout << 3;
43
                     cin.ignore(1);
44
45
            } while (cin.peek() != '\n'):
46
            cin.ignore(numeric limits<streamsize>::max(), '\n');
47
48
            cout << "Do problems ":</pre>
49
            for (long unsigned int i = 0; i < first probs.size(); i++)</pre>
50
51
                 // L1, 4-9, 11, 13-18, 20, 21, 25-30, 80-99
52
                 //cout << "A";
53
                 if (i != first probs.size()-1 || first probs.size() == second;
54
55
                     cout << first probs[i];</pre>
56
57
                 if (i < second probs.size())</pre>
58
59
                     //cout << "B";
60
                     for (int j = first probs[i]+1; j <= second probs[i]; j++)</pre>
61
62
                         //cout << "C";
63
                         if (i != first probs.size()-1 || first probs.size() ==
64
65
                             if ((i == first probs.size() && i != second probs.size()
66
67
                                 cout << ", and ";
68
69
                             cout << ", " << j;
70
                         }
71
72
73
                 if (i != first probs.size()-1 && i != second probs.size()-1)
74
75
                     //cout << "D":
76
                     cout << ", ";
77
78
            }
```

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03:
    79
                if (first probs.size() > second probs.size())
    80
    81
                    if (first probs.size() > 1)
                                                                                      If the user's problem set name is a quoted string, how can you remove the quotes fi
    82
    83
                        cout << ". and ":
    84
    85
                    cout << first probs[first probs.size() - 1];</pre>
                                                                                      A3:
                cout << " of L." << endl;
                                                                                      I can get rid of it by using cin.ignore(")
    87
    88
    89
            } while (exit == true);
    90
            return 0:
    91 }
                                                                                       04:
a vitale3@ares:~$ CPP DoWhatProblems
DoWhatProblems.cpp***
                                                                                      When placing items (say problem numbers?) into a list, how can you keep those item:
a vitale3@ares:~$ ./DoWhatProblems.out
Enter problems: L1
                                                                                      A4:
Do problems 1 of L.
a vitale3@ares:~$ ./DoWhatProblems.out
                                                                                       By using vectors, they sort themselves.
Enter problems: L1-5
Do problems 1, 2, 3, 4, 5 of L.
a vitale3@ares:~$ ./DoWhatProblems.out
Enter problems: L1-5, 7
                                                                                       05:
Do problems 1, 2, 3, 4, 5, and 7 of L.
a vitale3@ares:~$ ./DoWhatProblems.out
                                                                                      How can you avoid placing a duplicate item into a list?
Enter problems: L1-5, 7, 10-16
Do problems 1, 2, 3, 4, 5, 7, 10, 11, 12, 13, 14, 15, 16 of L.
a vitale3@ares:~$ cat DoWhatProblems.tpg
01:
                                                                                      A5:
In what data type can you store something like the problem set name that might be ?
                                                                                      I can avoid placing a duplicate item into a list by running a check to make sure no
A1:
                                                                                       06:
You can store it by using the data type string.
                                                                                      If the problem list is long (like in math or physics), how can you wrap the long or
                                                                                       A6:a vitale3@ares:~$ exit
02:
                                                                                       exit
How can you detect that the problem set name is a quoted string? How can you read :
                                                                                       Script done on 2023-12-06 18:27:04-06:00 [COMMAND EXIT CODE="0"]
A2:
Using cin.peek() you can tell if the user entered quotation marks. To read in the v
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