

Set

1. Perform the following action on set
 - a. Input the number of iterations required

Enter the number of iterations required
5
 - b. Loop till the iteration becomes 0
 - c. Ask the user to input 1 to insert and 2 to search for the element in the set.
 - d. If the number is inserted, it should say, “number is inserted.”
 - e. If the number has to be searched and if found, print “ found “or else “not found.”
 - f. Change the code in such a way that if the number is already there
It should say “number already there in the set “ else “number inserted successfully”.
2. Perform the same action on a multiset. If more than one number is there, it should say the number of times a number is found in the multiset while searching
3. Create a set which has pairs <int, int>. Assume the age category of people is divided like this 1-9,10-20, 21-40, 41-60, 61-80,81-100
Assume the age of people travelling in a bus is the following {1,30,25,60,75,41} , Print the category in which the age falls into.
1 – category 1-9
30 – category 21-40
Also, print the number of people lying in each category. 1-9 - number of people is 1

Map

1. Define the number of days in each month and ask the user to input the month; you should output the corresponding number of days. Print the previous month and the number of days, and next month and the number of days

Input: June
30 days
July
31 days
May
31 days

2. Add the following to map <string, int> mymap; where the name and roll number (Last five digits of your roll number) are the string and int value. Take test data from your class a. Print the details in ascending and descending order of name Print the details in ascending and descending order of roll number
3. Get a sentence from the user
Using a map, print the count of words in the sentence.

Homework

1. <https://www.hackerrank.com/challenges/cppmaps/problem>
2. https://www.hackerrank.com/challenges/cppsets/problem?h_r=internal-search