

Set

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

Enter number of iterations required

5

- b. Loop till the iteration become 0
 - c. Ask the user to input 1 to insert , 2 to search for the element in the set.
 - d. If the number is inserted, it should say “ %d is inserted”
 - e. If the number has to be searched and if found print “ %d found “ else %d not found”
 - f. Change the code in such a way that if the number is already there
It should say “number %d already there in the set “
else “number %d inserted successfully
2. Perform the same action on multi set. If more than one number is there it should say “%d found %d times in the array” while searching
3. Create a set which has pairs <int,int>. Assume the age category of people are 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 number of people lying in each category.

1-9 - number of people 1

Map

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

Input : June

30 days

July

31 days

May

31 days

2. Add the following to map
map<string, int> mymap string is name and int is roll number (Last 5 digits of your rollnumber). 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 map print the count of words in the sentence.

Homework

1. <https://www.hackerrank.com/challenges/cpp-maps/problem>
2. https://www.hackerrank.com/challenges/cpp-sets/problem?h_r=internal-search