

Programming Project #4:
Vectors and Maps Date Due: Dec 14 2019

Last couple of lectures, we talked extensively on vectors and maps. I want you to use a map that does the following:

Have a map of vectors where the key of the map is of type string. The vectors should be populated in the following way.

We will be querying employees for this assignment

- 1) Ask the user for their name and the hours they worked for that day.
- 2) If the user already inputted the hours for a particular day, they can not change their hours again. Write a message telling the user they already inputted the hours.
- 3) Have a mechanism for the program to go to the next day. This can be as simple as writing "next day" in the prompt.
- 4) Restart from 1) again.
- 5) Remember, we should be putting hours in the next slot in the vector.
- 6) if a new employee comes along, we should make sure we skip the previous slots in that vector. As in, all hours should line up in all vectors. For example, index 2 on all vectors in the map should be the hours for the third day of the week.
- 7) At the end of the week (Friday). Calculate, the total hours worked per person and total hours worked per day and terminate the program.

Deliverables:

vector_map.c
pp
vector_map.o
ut
Output.txt
Good
luck!