

Week 13(25/2/22)

1. Define a structure data type called “time” containing the members: int hour, int minute & int second. Write a function “update” that accepts the structure “time” and increments time by one second and returns the new time. (If the increment results in 60 seconds, then the second member is set to zero and the minute member is incremented by one. Then, if the result is 60 minutes, the minute member is set to zero and the hour member is incremented by one. Finally, when the hour becomes 24, it is set to zero.

2. Define a structure named hotel with the members name, address, grade, average room charge and no. of rooms. Write a function to perform the following operations:
 - i) To print out the hotels of a given grade in order of charges
 - ii) To print out the hotels with room charges less than the given value.

3. Define a structure named “date” with the members day, month and year. Write a program to do the following
 - i) To read data into structure members by a function
 - ii) To validate the date entered by another function
 - iii) To print the date in the format May 05, 2007 by a third function