



Advanced Programming

COEN 11

Lab 5



Lab 5

- List of tasks
 - Use an **union** to add info to each task
 - Before noon → **float** budget
 - From 12 to 20h → **char** location[LENGTH]
 - After 20h → **int** endtime[2] (for hour and minutes)
 - Due in week 5



Lab 5

- Adding to the functionality of Lab 4
 - The list is created interactively with the following commands
 - 1 <task> <hour> <min> <extra info according to the hour>
 - Same as lab 4, but add extra info
 - 2, 3
 - Same as in lab 4, , but show extra info according to the type
 - 4 <task>
 - Same as in lab 4
 - 5 <hour>
 - Same as in lab 4
 - 0
 - Quits



Requirements

- 7 functions
 - main, insert, list, listbytime, delete, deletebyhour, check_duplicate
- Functions **insert**, **list** and **listbytime** need to change to include the union
- Do not insert at the bottom and sort!
 - Insert at the right spot by shifting and making space



More Requirements

- Global variables
 - 1 array of structs
 - counter
- Show the budget as
 - Use **%.2f**



Grading

- Pre-lab
 - Test plan – 10%
- In the lab
 - Demo to the TA – 30%
 - Submit your code to Camino – 60%