

# Intro to Programming COEN 10

Lab 10 - Ski Lessons

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# Lab 10 - Ski Lessons

- Your program schedules ski lessons
- · The ski instructor has lessons at
  - 1pm, 2pm, 3pm, 4pm, 5pm

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# Lab 10

- Interface
  - -The user can use the system to
    - (1) Request a lesson
    - (2) Cancel a lesson
    - (3) List the lessons
    - (4) Show names starting with a letter
    - (5) Show groups with a number of people
    - (6) Priority
    - (7) Count letters
    - (9) Quit
    - · Any other number, report and ignore

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#### Lab 10

- New
  - -Priority, option 6
    - Create a new function
      - -Read a name, phone, group size
      - -Reserve the lesson at 1pm
      - -Shift everyone to later times
      - $-\operatorname{If}$  the schedule is full, cancel the last one
      - Show each changed time or canceled lesson to the user
    - This can only happen once
      - Control that in main

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# **Lab 10**

- New
  - -Count letters, option 7
    - Input a letter
    - Count the number of occurrences in all the names



# **Lab 10**

- Count a letter
  - Use a pointer to traverse each string when counting the occurrences of the character given
  - Your function will receive the letter as an argument (scanf in main) and return the final counter, which is will be output (printf) in main
  - Declaring function (prototype) count\_letter: int count\_letter (char);

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