Advanced Programming COEN 11

Lab 4

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Lab 4

Restaurant Reservations, extra information

- Change lab 3 to use an array of structs with unions
  - Include a union in your struct

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Lab 4

- Restaurant Reservations, extra information
  - Name
  - Size
  - Special occasion
    - 1 – Birthday
    - 2 – Anniversary
    - Otherwise – No special occasion
  - Extra info, depends on special occasion
    - 1 – birthday person's name
    - 2 – number of years
    - Otherwise – Average age of group

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- Menu -- commands
  - 1
    - Include special occasion category and extra info
  - 2, same
  - 3
    - Need to add special occasion and extra info
  - 4, same
  - 0, same

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Lab 4

- Your program has 1 array of structures
  - Each struct has four members
    - name – char array
    - size – int
    - special occasion – int
    - extra_info – union (type depends on special occasion)
      - Each union has three members
        » 1 – name, string
        » 2 – years, int
        » Otherwise – average age, float

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Lab 4 - Requirements

- Global variables
  - 1 array of structures
    - one of the members in the struct is a union
  - Counter
- 5 functions, same
  - main, insert, delete, show, check_size, check_duplicate

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Grading

- Pre-lab
  - No pre-lab this time
- In the lab
  - Demo to the TA – 40%
  - Submit your code to Camino – 60%

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End

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