



# Quicksort

Lab 6



# Implementation

- Download project6.tar from camino
- Create table.c using generic set ADT from project 3
- Change getElements to return a sorted array by implementing the quicksort algorithm
  - Suggestions:
    - Create the private partition function and recursive quicksort function that implements the quicksort algorithm
    - Call the quicksort function before returning array in getElements
- Notes: do not call qsort() function from c library!



# Test

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- Use “-l” with unique program to test getElements:  
./unique -l /scratch/coen12/GreenEggsAndHam.txt
- You may test with other text files but the output should be the unique words in order.



# Submission

- Submission deadline:
  - Sunday, June 6th at 11:59 pm
  - 10% off every 24 hrs after deadline
  - No submission will be accepted after Wed, June 9th at 11:59 pm
- Demo deadline:
  - Lab section next week (week 11)
  - No demo will be accepted in TA's office hours after your lab section next week
- File Submission:
  - Both **tar file or zip file** will be accepted
    - `tar -czvf project5.tar folder_path`
    - `folder_path` is the directory of the folder that contains both `pqueue.c` and `huffman.c`



**Don't forget to demo your term project today.**