

# CS107 Midterm Exam

## Answer Booklet

CS107 Fall 2019 – Instructor: Nick Troccoli

You may not use any internet devices. You will be graded on functionality – but good style saves time and helps graders understand what you were attempting. You have 110 minutes. We hope this exam is an exciting journey.

**Note:** Only work in this answer booklet will be graded. The backs of pages are available as space for each problem as well.

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_

SUNET ID (part before @stanford.edu): \_\_\_\_\_

By signing below, I commit to the letter and spirit of the honor code. I agree not to access any unauthorized resources or swap to any other applications for the duration of the exam.

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*Sign here*

## Problem 1A

## Problem 1B

## Problem 1C

## Problem 2

```
char *remove_delimiters(const char *str, const char *delimiters) {  
    // your answer here
```

## Problem 3A

```
void extract_min(void *base, void *dest, size_t nelems,  
                size_t elem_size_bytes,  
                int (*cmp_fn)(const void *, const void *)) {  
  
    // your code here
```

## Problem 3B

```
int cmp_strings_asc(const void *elem1, const void *elem2) {  
    // your code here
```

## Problem 3C

// write parameter 1 below

// write parameter 2 below

// write parameter 3 below

// write parameter 4 below

// write parameter 5 below



## Problem 4A

// write expression 1 below

// write expression 2 below

// write expression 3 below

## Problem 4B

// write expression 1 below

// write expression 2 below