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.

________________________________________

*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