CS 3733 Operating Systems — Spring 2001
Assignment 1

Name _____

Consecutively number the pages and fill in the index below.
Put a check mark in the appropriate place if you thing the part is correct.

Description	source page	lint page	test output page	check if correct
makefile	_____			
utility.c	_____	_____		_____
sorting.c	_____	_____		_____
testpart1.c	_____	_____	_____	_____
testpart2.c	_____	_____	_____	_____
testpart3.c	_____	_____	_____	_____
testpart4.c	_____	_____	_____	_____
testpart5.c	_____	_____	_____	_____

Answer the questions that are on the back of this sheet.

If you think everything you did is correct, check here: _____
Otherwise, give a brief description of what is working and what is not:

Give a sort answer here for each of these questions:

1) How much space was allocated in `readline` for the smallest line?

2) Do you check for memory allocation errors in `readline`?

3) Do you free all space allocated by readline when `malloc` returns an error?

4) Do you check for I/O errors in `readline`?

5) Do you free all space allocated by readline when an I/O error occurs?

6) In `readline`, the first time a line is found that is too long, how much additional space is allocated?

7) What is the longest line used in testing `readline`? How many times was reallocation done to read in this line?

8) Does `readfile` free the space allocated by previous calls to `readline` when an error occurs?

9) Does `readfile` free the space allocated by the call to `readline` that returns an empty string?

10) What machines were used to run your timing tests?

11) How did you make sure that other processes running on your machine did not interfere with your timing tests?