

CSE-376 Homework 1	
Student name:	
Student SBID:	
Grader(s) Name(s)	

	Max	Actual	Comments
* FEATURES	70	0	
Handle CLI arguments to program correctly, including all possible incorrect sequence and combinations of args, extra args, etc. Using getopt(3).	3		
Feature: -d option (decrypt) works using AES	6		
Feature: -e option (encrypt) works (basic) using AES	6		
Feature: -e option also verifies same cipher K using SHA256 hash	6		
Feature: -h option	1		
Feature: -v option	1		
Feature: -p PASSFILE option	1		
Password also taken on cmd line and invisible when typed	2		
Feature: -D debug option works	8		
infile and outfile: tests that files exist, not the same file, and handles '-' options	8		
Orig outfile is saved and restored in case of failure, any temp o/p file is removed	8		
Using system calls for assignment, and only "approved" libc calls.	4		
regression tests (three)	6		
Makefile	5		
Code compiles cleanly w/o any warnings/errors (gcc -Wall -Werror)	5		
* CODE INSPECTION AND README	30	0	
code is clean and well organized, indented, styled	5		
code is well documented, commented	5		
cleaning resources (allocated buffers, open files, etc.)	6		
code is efficient (e.g., optimal read/write file size)	6		
error handling is correct for all possible cases	5		
README	3		
* GENERAL DEMERITS (given as positive integers, deducted from max)	0	0	
Followed GIT submission guidelines improperly			
Submission on time: deduct 1 point for every late hour (time rounded up in units of one hour)			
Other demerits (specify)			
* EXTRA CREDITS	14	0	
safe option: -s	3		
IV option: -i	3		
cipher option: -c ARG	4		
early submission 24 or 48 hours	4		

Total grade	100	0	
Total Extra Credit	14	0	