Operating Systems
Assignment 01

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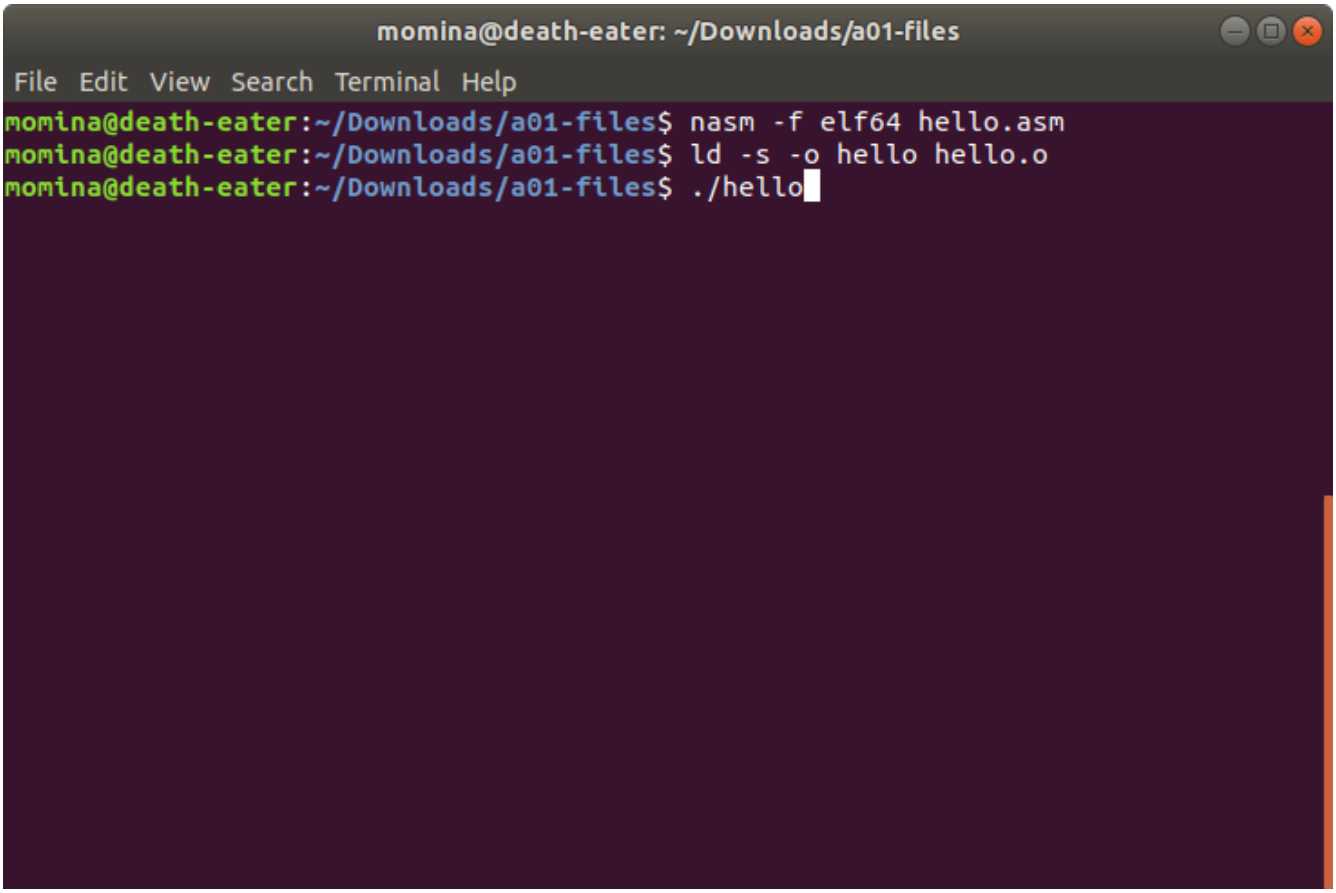
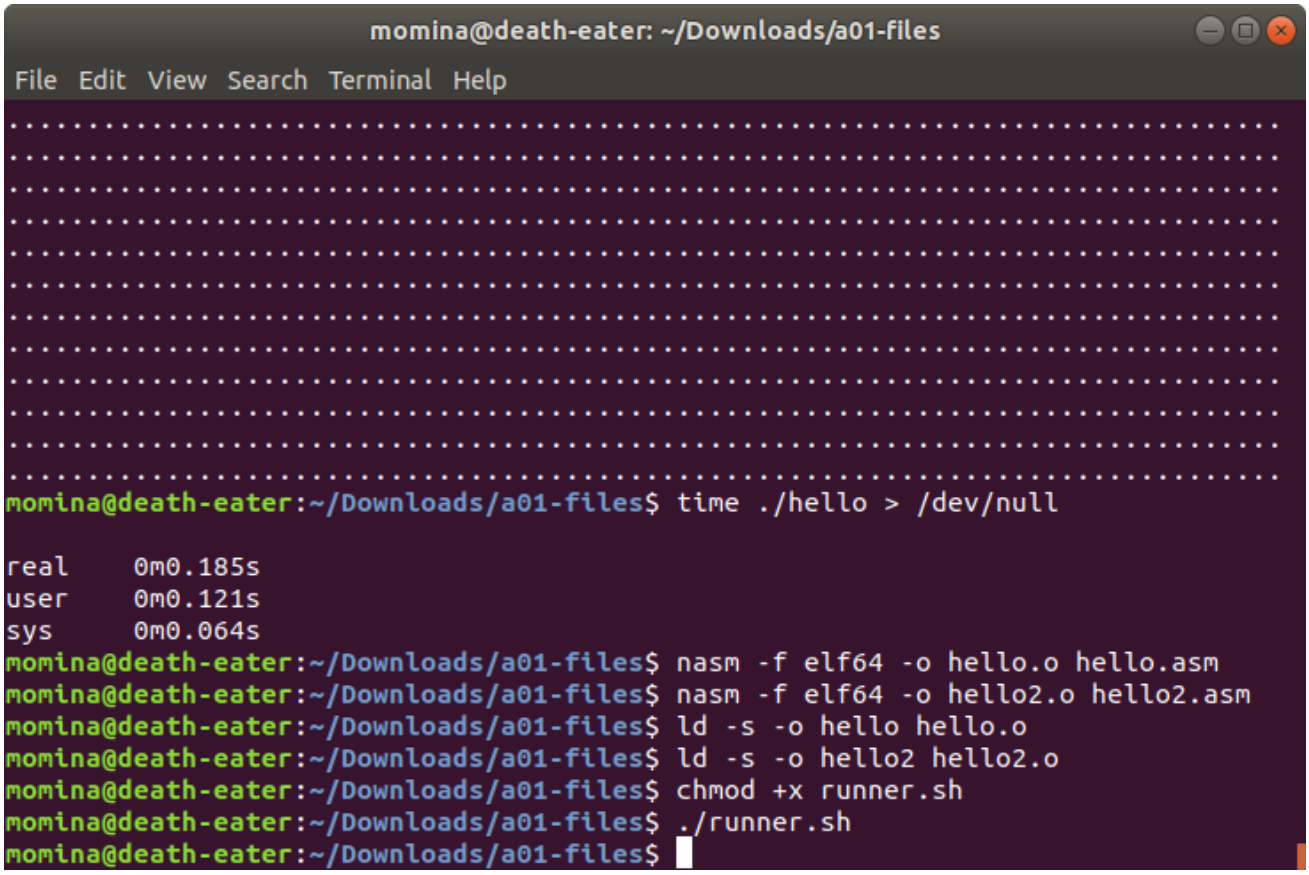
P18-0030
Section: 4B

Number of experiments run:	N = 50
Average ‘user time’ for hello (int-based calls):	I = 117.78 s
Average ‘user time’ for hello2 (syscall-based calls):	S = 77.88 s

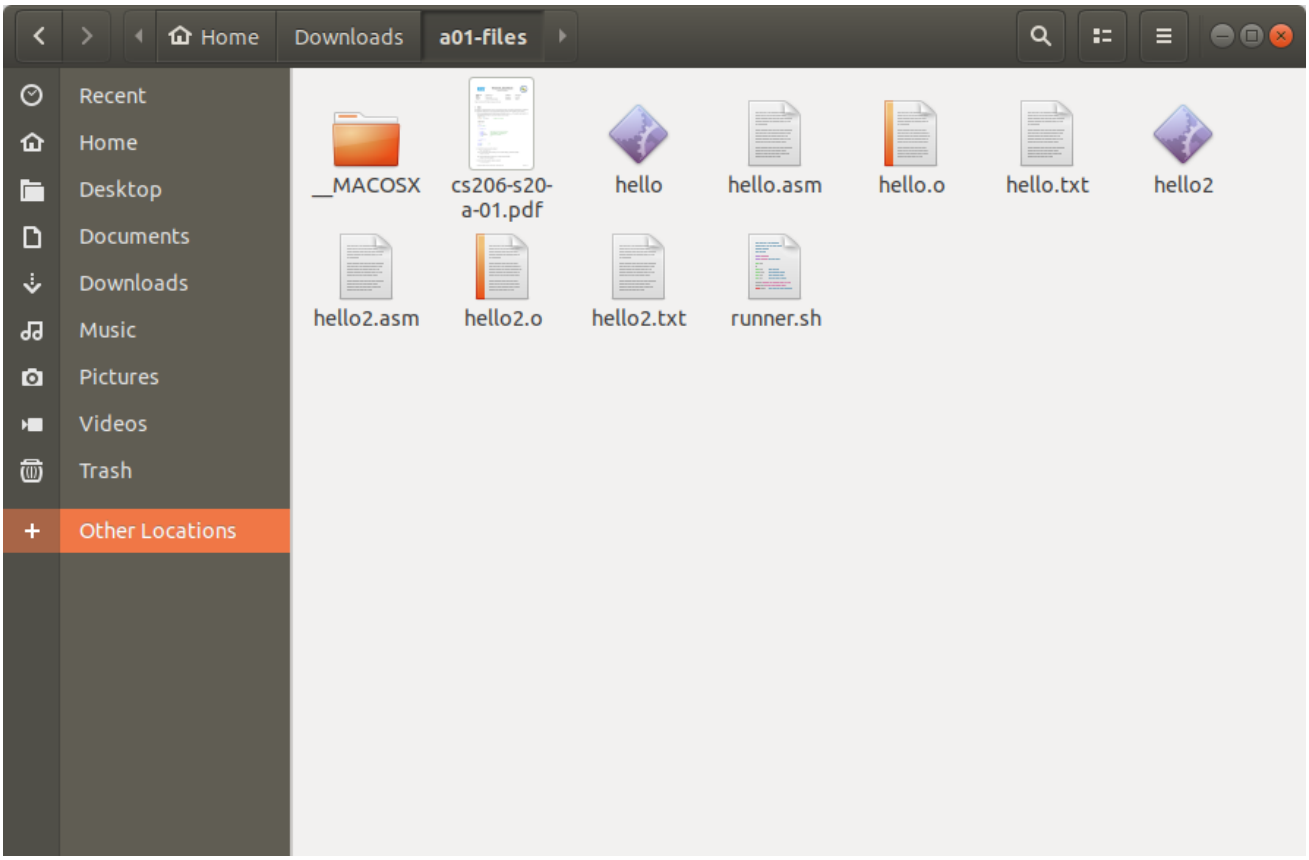
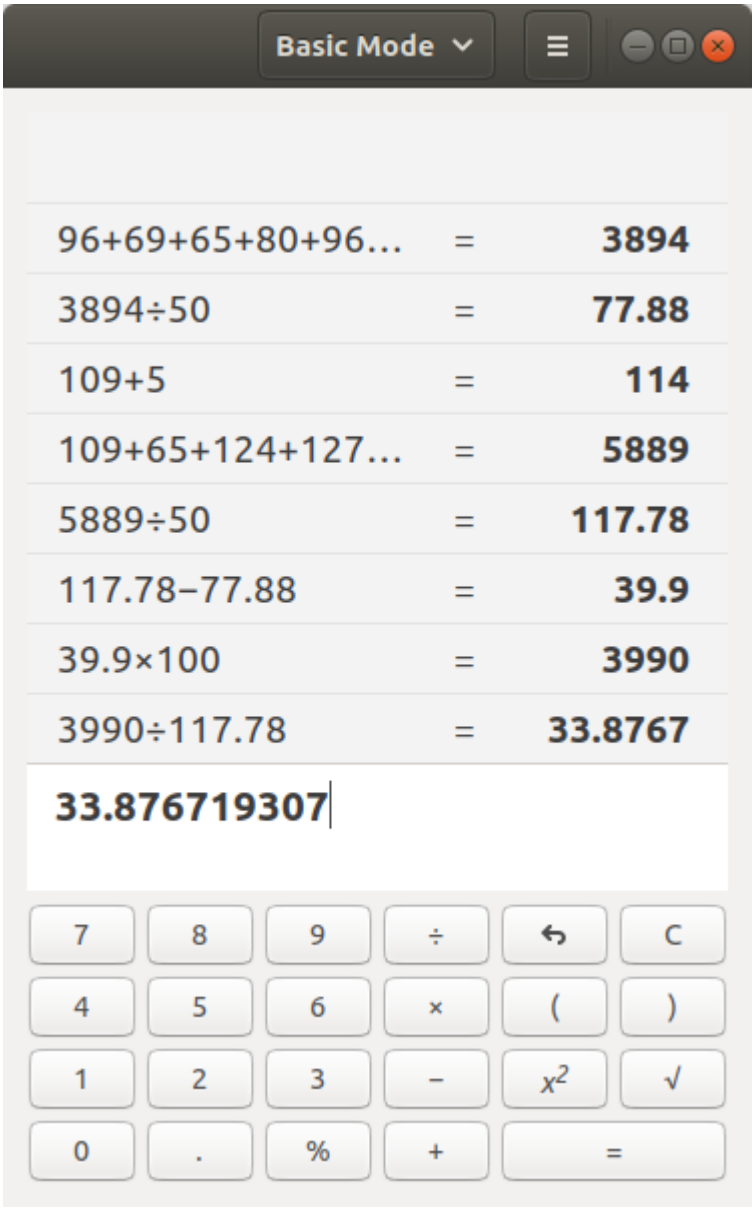
Percentage speedup: (I - S) * 100 / I = 33.88 %

Commands:




momina@death-eater: ~/Downloads/a01-files
File Edit View Search Terminal Help
momina@death-eater:~/Downloads/a01-files$ time ./hello > /dev/null
real 0m0.185s
user 0m0.121s
sys 0m0.064s
momina@death-eater:~/Downloads/a01-files$ nasm -f elf64 -o hello.o hello.asm
momina@death-eater:~/Downloads/a01-files$ nasm -f elf64 -o hello2.o hello2.asm
momina@death-eater:~/Downloads/a01-files$ ld -s -o hello hello.o
momina@death-eater:~/Downloads/a01-files$ ld -s -o hello2 hello2.o
momina@death-eater:~/Downloads/a01-files$ chmod +x runner.sh
momina@death-eater:~/Downloads/a01-files$ ./runner.sh
momina@death-eater:~/Downloads/a01-files$

Files created:



Average calculated: