Lab 1 (CSN-361)

1. When compiling a program using gcc, one can use -c, -S, -E, and -o flags. Write a small 'c' program and demonstrate the use of these flags.

2. Write a 'c' program that takes two integers and an operator (+,-, *, /) as command line arguments and prints the result of the operation specified by the operator on the two integers. Name the executable file as 'calc'. If the user executes calc by writing

   calc 2 + 3

   The output of your program should be 5.

3. Write a program that creates a new process using 'fork' and prints the process id of the parent and child process. If the function 'fork' is called in a loop that runs 5 times how many new processes will be created?