Lab2 Thursday, February 6, 2025 4:44 PM 1) What are the system call names for: Getting the process ID = getpid() Opening a file = openat() Closing a file = close() Reading a file = read() Printing to the console = write() Sleeping = clock_nanosleep() 2) What are the number of system calls for opening, closing and reading the file(s) (i.e. how many times each was called) Opening = 3: 1 for the mycat program, and 2 for other background tasks Reading = 2: 1 for the mycat program, and 1 for other background tasks Closing = 3: 1 for the mycat program, and 2 for other background tasks 3) What are the number of system calls for printing to the screen? (count each individually. You may either use strace options to aid you in doing so, or you may use grep). Printint to screen = 7 4) What was the value of the file descriptor of your read file (please review the lecture slides before asking what this means)? File descriptor = 3 vboxuser@CS-3224: ~/Desktop/Homework vboxuser@CS-3224: ~/Desktop/Homework vboxuser@CS-3224: ~/Desktop/Homework vboxuser@CS-3224:~/Desktop/Homework\$ gcc mycat.c -o mycat vboxuser@CS-3224:~/Desktop/Homework\$./mycat lab2input.txt mycat.c starts here: The process id is: 7248 sleepint for 3 seconds after printing pid 69 bytes were read The text in filedescriptor 3 is: This is an example of text with some ints: 12345 !@#\$% Hello there! vboxuser@CS-3224:-/Desktop/Homework\$ S