3/.	ar) be	age & >1 processes & see the same		
	10/0		BTTMU O OPPO	1
60	ompo	MEC 1000 & blank spot and wants to use it:	DITTIME	
10	myur	c 5000 & in bit mas way product	00	2
9 V	chort	has LINK INTO WOOD I VIOL PLANT	perfect 6/28/	
3/1	ambi	Shared Memory and Signals on System V PUICU C)	free \$ 25,57 /121 1 321	
10	LA DE	Due Friday November 11, 2016 at 10PM wite partiet		/
10	1	For this assignment you will write 3 related programs to "manage", "report", and "cor		1
		ed in shared memory. You should hand in files manage.c, report.c, and compute to etions described below.	implement the VII) Tested Found Shipful	
	rune	Compute's job is to compute perfect numbers. It takes one command line argument, where the computer is to be a supplied to the computer of the	which is the first	6
		ber to test. It tests all numbers starting at this point, subject to the constraints below.		
	more	Manage's job is to maintain the shared memory segment. The shared segment is where	ere the compute (will MC2 SOM aphons	
		cesses post their results. It also keeps track of the active compute processes, so that it ex	can signal them	
	to tei	Papart's job is to read the shared memory segment and report on the perfect numbers f	can signal them  Co prevent inuttiple	
		Report's job is to read the shared memory segment and report on the perfect numbers f iber tested, and for each processes currently computing the number tested, skipped, and for	found. It should process to test the	
		give a total of these three numbers that includes processes no longer running. If invoked ch, it also is used to inform the Manage process to shut down computation.	ed with the "-k"	
		The shared memory segment should contain the following data:	of spip forward	
	(1)	A bit map large enough to contain 2^25 bits. If a bit is off it indicates the correspondi	ling integer has	'O
	(2)		will also kep expersive. so, elong	K
	(2) (3)	An array of integers of length 20 to contain the perfect numbers found.  An array of "process" structures of length 20, to summarize data on the currently as	active compute 116 14 for fact	7
	V Z	processes. This structure should contain the pid, the number of perfect numbers found,	I, the number of	1
		candidates tested, and the number of candidates not tested. "Compute" should never already marked in the bitmap.	r test a number	
		Compute processes are responsible for updating the bitmap, as well as their own pro		
		vever, because of the possible conflicts, "manager" must initialize their process entry for tess. You may use your favorite IPC scheme for "compute" registering itself with "manager"	r each compute	
		mpute" must request "manager" update the array of perfect numbers, when it finds one	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	29
	termi	Processes that hit the end should wrap around, but stop at their starting point. All profinate cleanly on INTR, QUIT, and HANGUP signals. For "compute" processes this meaning the starting point.	rocesses should	0
	their	process entry from the shared memory segment and then terminate. For "manager" it m	means he sends	版
		NTR signal to all the running computes, sleeps 5 seconds, and then deallocates the shared t, and terminates.	ed memory seg-	$\int_{0}^{\infty}$
		When the -k is flag is used on "report", report sends an INTR to manager to force the sa edure.  So that there are no conflicts between users, use the last 5 digits of your phone number.	same shutdown > Same as manage	
	proce	edure.	Shut clown?	
	the sl	So that there are no conflicts between users, use the last 5 digits of your phone numbers shared memory segment. Also so as not use up unnecessary resources during the debugg		
	the p	os, ipcs, and ipcrm commands to make sure you have not left extraneous processes or sl		
	_	nents allocated.		
70	4)0	and a strong or 1200) in process for fate 1"	Co of most at 19 min	-
	11 10	might we if the might be the	1 2 am make man water	X
	100	That he add it is he can be seen to	on to white still have 30 hours	.)
	Ve	gord - RI ma eac number of processes total, t	tun kill the processes &	
	(	ango assum on I row in process for total", so yort-ke add the number of processes to total, to Copy to report accumertated total, since	ce no more active processed	

(all killed))
use the manye process's pill for the total line, so it can be killed with their pill.