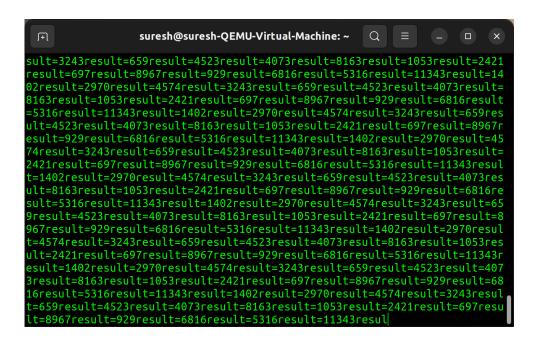
## Name - Suresh Dub(2021A1R030) Experiment : 8

- 1.) Write a cpu bound c program and a input output bound c program and observe the effect of their cpu share using the top command and its variants.
- C Program

• Run the following C Program



## • Using Top Command observing CPU Bound

suresh@suresh-QEMU-Virtual-Machine: ~ □ ×										
top - 01:36:32 up 20 min, 1 user, load average: 0.91, 0.45, 0.24 Tasks: <b>201</b> total, <b>2</b> running, <b>199</b> sleeping, <b>0</b> stopped, <b>0</b> zombie %Cpu(s): <b>18.2</b> us, <b>9.3</b> sy, <b>0.0</b> ni, <b>71.6</b> id, <b>0.4</b> wa, <b>0.0</b> hi, <b>0.5</b> si, <b>0.0</b> st										
MiB Mem		to	otal,	2096	4 free,	761	<b>.2</b> used	, 105	<b>0.8</b> buff/cache <b>7.4</b> avail Mem	
·										
	USER	PR	ΝI	VIRT	RES				TIME+ COMMAND	
	suresh	20	0		58672					+
	suresh	20	0	2188	768	688			0:13.00 a.out	
	root	20	0	0	0	0			0:03.30 kworker	
350	root	20	0	0	0	0	I 6.3	0.0	0:07.13 kworker-	+
2989	root	20	0	0	0	0	I 5.3	0.0	0:01.04 kworker-	+
1385	suresh	20	0	368744	87840	50728	5 1.0	2.2	0:07.62 Xorg	
1669	suresh	20	0	4296148	265804	112160	5 1.0	6.6	0:13.90 gnome-s-	+
210	root	20	0	0	0	0	I 0.3	0.0	0:01.01 kworker-	+
1392	suresh	20	0	423476	13228	11308	0.3	0.3	0:00.19 goa-ide-	+
1	root	20	0	166808	11024	7520	0.0	0.3	0:00.78 systemd	
2	root	20	0	0	0	0 9	0.0	0.0	0:00.00 kthread	d
3	root	0	- 20	0	0	0	0.0	0.0	0:00.00 rcu_gp	
4	root	0	- 20	0	0	0	I 0.0	0.0	0:00.00 rcu_par-	+
5	root	0	-20	0	0	0	I 0.0	0.0	0:00.00 netns	
7	root	0	-20	0	0	0	I 0.0	0.0	0:00.00 kworker-	+
9	root	0	-20	0	0	0	I 0.0	0.0	0:00.00 mm_perc-	+
10	root	20	0	0	0	0 9	0.0	0.0	0:00.00 rcu_tas-	