

```
ankush@ar: ~/Desktop
t = 2421Result = 697Result = 8967Result = 929Result = 6816Result = 5316Result = 11343Result
ult = 4523Result = 4073Result = 8163Result = 1053Result = 2421Result = 697Result = 8967Res
Result = 2970Result = 4574Result = 3243Result = 659Result = 4523Result = 4073Result = 8163
9Result = 6816Result = 5316Result = 11343Result = 1402Result = 2970Result = 4574Result = 3
1053Result = 2421Result = 697Result = 8967Result = 929Result = 6816Result = 5316Result =
t = 659Result = 4523Result = 4073Result = 8163Result = 1053Result = 2421Result = 697Result
ult = 1402Result = 2970Result = 4574Result = 3243Result = 659Result = 4523Result = 4073Res
ult = 929Result = 6816Result = 5316Result = 11343Result = 1402Result = 2970Result = 4574
63Result = 1053Result = 2421Result = 697Result = 8967Result = 929Result = 6816Result = 531
3243Result = 659Result = 4523Result = 4073Result = 8163Result = 1053Result = 2421Result =
= 11343Result = 1402Result = 2970Result = 4574Result = 3243Result = 659Result = 4523Result
lt = 8967Result = 929Result = 6816Result = 5316Result = 11343Result = 1402Result = 2970Res
ult = 8163Result = 1053Result = 2421Result = 697Result = 8967Result = 929Result = 6816Re
74Result = 3243Result = 659Result = 4523Result = 4073Result = 8163Result = 1053Result = 24
316Result = 11343Result = 1402Result = 2970Result = 4574Result = 3243Result = 659Result =
= 697Result = 8967Result = 929Result = 6816Result = 5316Result = 11343Result = 1402Result
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```
ankush@ar: ~
top - 23:46:18 up 27 min, 1 user, load average: 2.08, 1.84, 1.39
Tasks: 209 total, 5 running, 204 sleeping, 0 stopped, 0 zombie
%Cpu(s): 24.7 us, 37.9 sy, 0.0 ni, 33.2 id, 0.2 wa, 0.0 hi, 4.0 si, 0.0 st
MiB Mem : 10931.3 total, 8434.6 free, 874.8 used, 1621.9 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 9760.4 avail Mem

  PID USER      PR  NI   VIRT   RES   SHR  S  %CPU  %MEM    TIME+  COMMAND
  973 ankush    20   0 5223764 364264 147672 R 160.8   3.3   23:42.23 gnome-s+
 3349 ankush    20   0  578364   67812  48616 D  62.1   0.6    0:26.25 gnome-t+
 3911 ankush    20   0    2772     984    896 S  13.0   0.0    0:02.79 a.out
 3577 root       20   0      0      0      0 R  11.6   0.0    0:19.86 kworker+
 3541 root       20   0      0      0      0 R  10.6   0.0    0:41.50 kworker+
 3857 root       20   0      0      0      0 I   6.6   0.0    0:13.74 kworker+
 3240 root       20   0      0      0      0 I   1.3   0.0    0:12.38 kworker+
   13 root       20   0      0      0      0 I   1.0   0.0    0:10.92 rcu_sch+
   124 root       20   0      0      0      0 I   0.7   0.0    0:02.79 kworker+
   408 root      -51  0      0      0      0 S   0.3   0.0    0:04.60 irq/18-+
 1013 ankush    20   0  347044  14732  12824 S   0.3   0.1    0:00.18 goa-ide+
 1280 ankush    20   0  397212  11848   7180 S   0.3   0.1    0:06.98 ibus-da+
 1462 ankush    20   0  172128   7264   6640 S   0.3   0.1    0:01.99 ibus-en+
 3910 ankush    20   0   21828   4212   3408 R   0.3   0.0    0:00.13 top
    1 root       20   0 166620   11868  8332 S   0.0   0.1    0:01.36 systemd
    2 root       20   0      0      0      0 S   0.0   0.0    0:00.03 kthreadd
    3 root       0  -20      0      0      0 I   0.0   0.0    0:00.00 rcu_gp
```

```
ankush@ar: ~/Desktop
404510 prime number calculated
404511 prime number calculated
404512 prime number calculated
404513 prime number calculated
404514 prime number calculated
404515 prime number calculated
404516 prime number calculated
404517 prime number calculated
404518 prime number calculated
404519 prime number calculated
404520 prime number calculated
404521 prime number calculated
404522 prime number calculated
404523 prime number calculated
404524 prime number calculated
404525 prime number calculated
```

```
ankush@ar: ~
top - 23:49:34 up 30 min,  1 user,  load average: 2.14, 1.93, 1.51
Tasks: 206 total,  3 running, 203 sleeping,  0 stopped,  0 zombie
%Cpu(s): 39.2 us, 40.4 sy,  0.0 ni, 18.1 id,  0.1 wa,  0.0 hi,  2.2 si,  0.0 st
MiB Mem : 10931.3 total,  8420.1 free,   888.4 used,  1622.7 buff/cache
MiB Swap:  2048.0 total,  2048.0 free,    0.0 used.  9746.6 avail Mem

  PID USER      PR  NI   VIRT    RES    SHR S  %CPU  %MEM    TIME+  COMMAND
  973 ankush    20   0 5232004 364364 147672 S 152.5   3.3   28:07.48 gnome-s+
 3972 ankush    20   0   2772     924    836 R   98.3   0.0    0:04.32 a.out
 3349 ankush    20   0  578492  68048  48616 S   24.3   0.6    0:58.19 gnome-t+
 3399 root       20   0         0         0      0 I   13.0   0.0    1:59.54 kworker+
 3857 root       20   0         0         0      0 I   11.3   0.0    0:30.98 kworker+
 3541 root       20   0         0         0      0 R   10.6   0.0    0:48.62 kworker+
 1280 ankush    20   0 397212   11848   7180 S    1.0   0.1    0:11.38 ibus-da+
  499 systemd+   20   0   14824    6056   5256 S    0.3   0.1    0:03.76 systemd+
 1013 ankush    20   0 347044   14732  12824 S    0.3   0.1    0:00.43 goa-ide+
    1 root       20   0 166620   11868   8332 S    0.0   0.1    0:01.37 systemd
    2 root       20   0         0         0      0 S    0.0   0.0    0:00.03 kthreadd
    3 root        0 -20         0         0      0 I    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 S    0.0   0.0    0:00.00 rcu_tas+
```



```

ankush@ar: ~/Desktop
ankush@ar:~/Desktop$ nano IO_BOND.c
ankush@ar:~/Desktop$ ./a.out IO_BOND.c
Enter any number: 2

Enter any number: 3
2
Current local time and date: Wed Nov 16 23:53:43 2022
Enter any number: 4

Enter any number: 5
4
Current local time and date: Wed Nov 16 23:53:44 2022
Enter any number: 5

Enter any number: 6
5
Current local time and date: Wed Nov 16 23:53:45 2022

```

```

ankush@ar: ~
top - 23:54:05 up 35 min, 1 user, load average: 1.96, 2.21, 1.78
Tasks: 205 total, 4 running, 201 sleeping, 0 stopped, 0 zombie
%Cpu(s): 4.7 us, 28.7 sy, 0.0 ni, 64.7 id, 0.2 wa, 0.0 hi, 1.6 si, 0.0 st
MiB Mem : 10931.3 total, 8396.3 free, 911.7 used, 1623.2 buff/cache
MiB Swap: 2048.0 total, 2048.0 free, 0.0 used. 9723.3 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM    TIME+  COMMAND
  973 ankush    20   0 5242556 383828 147736 S 122.6   3.4 33:34.62 gnome-s+
 3857 root      20   0     0     0     0 I 16.6   0.0 0:48.33 kworker+
 3349 ankush    20   0 578492   68304 48728 R   3.3   0.6 1:16.91 gnome-t+
 3541 root      20   0     0     0     0 R   1.7   0.0 1:08.33 kworker+
   13 root      20   0     0     0     0 I   1.0   0.0 0:14.38 rcu_sch+
 3240 root      20   0     0     0     0 I   1.0   0.0 0:17.01 kworker+
   499 systemd+ 20   0  14824    6056  5256 S   0.7   0.1 0:04.36 systemd+
 1280 ankush    20   0 397212   11848  7180 S   0.7   0.1 0:21.52 ibus-da+
   408 root     -51   0     0     0     0 S   0.3   0.0 0:05.90 irq/18-+
 1031 ankush    20   0 323848    8048  7028 S   0.3   0.1 0:00.48 gvfs-af+
 1462 ankush    20   0 172128    7264  6640 S   0.3   0.1 0:04.75 ibus-en+
 3194 root      20   0     0     0     0 I   0.3   0.0 0:03.86 kworker+
 4020 ankush    20   0  21824    4192  3392 R   0.3   0.0 0:00.03 top
     1 root      20   0 166620   11868  8332 S   0.0   0.1 0:01.38 systemd
     2 root      20   0     0     0     0 S   0.0   0.0 0:00.03 kthreadd
     3 root       0 -20     0     0     0 I   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+

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