

```

1 #include<stdio.h>
2 int main()
3 {
4     int i,j,n;
5     while(1)
6     {
7         printf("\nEnter number");
8         scanf("%d",&i);
9         scanf("%d",&j);
10        n=i*j;
11        printf("result is %d",n);
12    }
13 }

```

```

akshay@akshay-VirtualBox: ~
akshay@akshay-VirtualBox:~$ gedit iobound.c
akshay@akshay-VirtualBox:~$ gcc iobound.c
akshay@akshay-VirtualBox:~$ ./a.out

Enter number12
12
result is 0
Enter number4
2
result is 0
Enter number6
3
result is 0
Enter number5
2
result is 1
Enter number6
2
result is 0
Enter number

```

```

top - 07:46:11 up 1:55, 1 user, load average: 0.30, 0.32, 0.27
Tasks: 191 total, 1 running, 189 sleeping, 1 stopped, 0 zombie
%Cpu(s): 1.0 us, 0.0 sy, 0.0 ni, 99.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st
MiB Mem : 2910.7 total, 302.6 free, 931.5 used, 1676.6 buff/cache
MiB Swap: 4310.0 total, 4310.0 free, 0.0 used. 1776.5 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S  %CPU  %MEM    TIME+  COMMAND
 1525 akshay    20   0 4162536 483576 137564 S   1.0  16.2   8:34.60 gnome-s+
 1875 akshay    20   0 162220   2584   2192 S   0.3   0.1   0:24.12 VBoxCli+
 4218 akshay    20   0 570332   52200 39940 S   0.3   1.8   0:01.09 gnome-t+
 4322 akshay    20   0  21732   3924   3324 R   0.3   0.1   0:00.03 top
    1 root      20   0 166712   11852  8260 S   0.0   0.4   0:02.45 systemd
    2 root      20   0      0      0      0 S   0.0   0.0   0:00.00 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+
   10 root       0 -20      0      0      0 I   0.0   0.0   0:00.00 mm_perc+
   11 root      20   0      0      0      0 S   0.0   0.0   0:00.00 rcu_tas+
   12 root      20   0      0      0      0 S   0.0   0.0   0:00.00 rcu_tas+
   13 root      20   0      0      0      0 S   0.0   0.0   0:00.54 ksoftir+
   14 root      20   0      0      0      0 I   0.0   0.0   0:02.65 rcu_sch+
   15 root      rt    0      0      0      0 S   0.0   0.0   0:00.11 migrati+
   16 root     -51   0      0      0      0 S   0.0   0.0   0:00.00 idle in+

```