

PRACTICAL-3

AIM: WRITE A PROGRAM TO REPORT BEHAVIOUR OF LINUX KERNEL INCLUDING INFORMATION ON 19 CONFIGURED MEMORY, AMOUNT OF FREE AND UNUSED MEMORY. (MEMORY INFORMATION)

SOL:

```
#include<stdlib.h>

#include<stdio.h>

#include<unistd.h>

int main{

printf("\n The Kernel Version is : \n");

system("cat/proc/sys/kernel/osrelease");

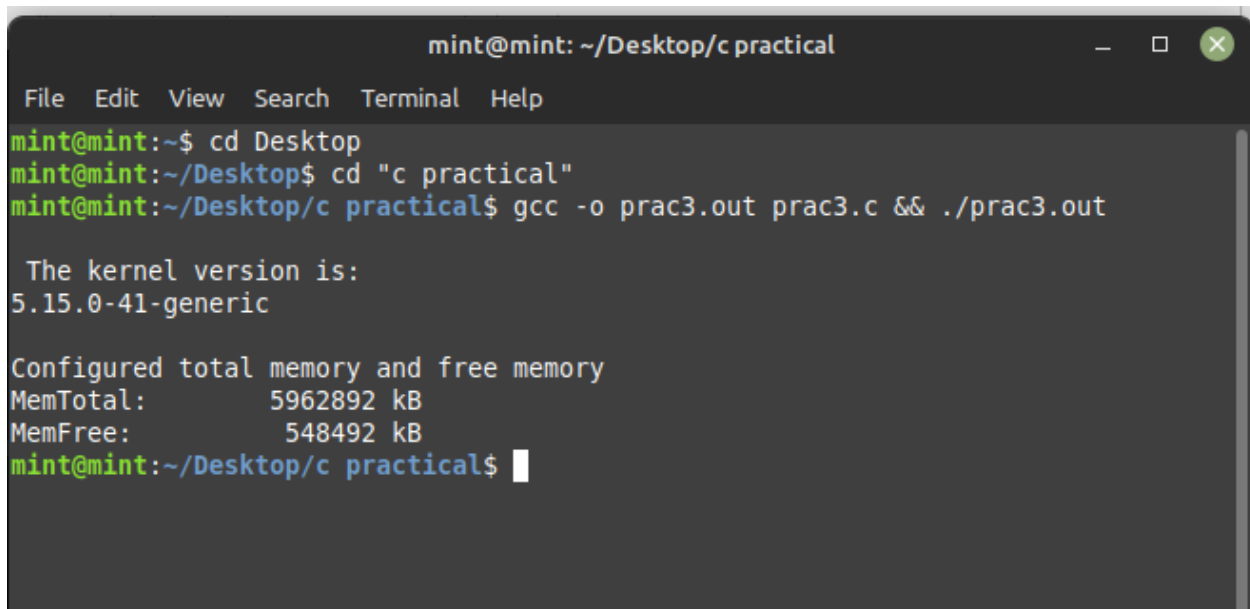
printf("\n Configured total memory and free memory.\n");

system("cat/proc/meminfo |awk 'NR==1,NR==2{print}' \n");

return 0;

}
```

OUTPUT:



```
mint@mint: ~/Desktop/c practical
File Edit View Search Terminal Help
mint@mint:~$ cd Desktop
mint@mint:~/Desktop$ cd "c practical"
mint@mint:~/Desktop/c practical$ gcc -o prac3.out prac3.c && ./prac3.out

The kernel version is:
5.15.0-41-generic

Configured total memory and free memory
MemTotal:      5962892 kB
MemFree:       548492 kB
mint@mint:~/Desktop/c practical$
```

