

## ATMA RAM SANATAN DHARMA COLLEGE



## UNIVERSITY OF DELHI



## PROGRAMMING IN OPERATING SYSTEM PRACTICLE FILE

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```
#include <stdlib.h>
#include <stdio.h>

int main()
{

printf("\nKernel Version");
system("cat /proc/sys/kernel/osrelease");
printf("\n the cpu info \n");
system("cat /proc/cpuinfo");
return 0;
}
```

```
rajeraj-VirtualBost-2005 apc q2.c
ajeraj-VirtualBost-2005 Ay-out

S.15.0-47-generic
Kernel Version
The pop larfo
December of GenuineIntel
Cour Family : 6
model 128
mo
```

```
Sinitial apicid : 0
Figure expection : yes
Fi
```

## Q3.

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>

int main()
{
  int a;
  printf("\nKernel Version");
  system("cat /proc/sys/kernel/osrelease");
  printf("\n configured free and used memory:\n");
  system("cat /proc/meminfo | awk 'NR==1, NR==2 {print}'");
  return 0;
}
```

```
rajgraj-VirtualBox:-/0:$ gcc qj.c
rajgraj-VirtualBox:-/0:$ ./a.out

S.15.0-47-generic
Kernel Version
configured free and used memory:
Memfotal: 1537844 k8
Memfree: 67728 k8
rajgraj-VirtualBox:-/0:$
```

```
#include <stdio.h>
#include <sys/stat.h>
#include <time.h>
int main(int argc, char *argv[3])
int i;
struct stat buffer;
printf("Give File Name:");
for(i=1; i<argc; i++)</pre>
printf("file=%s\n", argv[i]);
if(stat(argv[i], &buffer)<0)</pre>
{
printf("Error in file Started");
else
printf("owner: %d\ngid= %d\n", buffer.st_uid,
buffer.st gid);
printf("Access Permission=%d\n", buffer.st_mode);
printf(" Last Access time= %s\n", ctime(&buffer.st_atime));
printf(" Last Modify time= %s\n", ctime(&buffer.st_mtime));
return 0;
```

```
raj@raj-VirtualBox:-/0:$ gcc q4.c
raj@raj-VirtualBox:-/0:$ ,/a.out q4.c
Give File Name:file=q4.c
owner: 1000
gid= 1000
Access Permission=33204
Last Access time= Fri Sep 23 22:27:08 2022
Last Modify time= Fri Sep 23 22:27:04 2022
raj@raj-VirtualBox:-/0:$
```