

## PRACTICAL-4

**AIM: WRITE A PROGRAM TO PRINT FILE DETAILS INCLUDING OWNER ACCESS PERMISSIONS , FILE ACCESS TIME WHERE FILE NAME IS GIVEN AS ARGUMENT.**

**SOL:**

```
#include<unistd.h>

#include<stdio.h>

#include<stdlib.h>

#include<time.h>

#include<sys/stat.h>

int main( int argc , char* argv[3]){

int i;

struct stat buffer;

struct tm dt;

printf("Give file name : ");

for(i=0;i<argc;i++){

printf("file= %s \n" , argv[i]);

if(stat(argv[i] , &buffer)<0){

printf("Error in file started.");

}

else

{

printf("Owner:%d \n gid=%d \n", buffer.st_uid, buffer.st_gid);

printf("Access permission = %d \n", buffer.st_mode);

dt= *(gmtime(&buffer.st_ctime));
```

```

printf("Access time=%d-%d-%d %d:%d:%d \n" dt.tm_mday,
dt.tm_mon,dt.tm_year+1900, dtm.tm_hour, dt.tm_min, dt.tm_sec);

}

}

return 0 ;

}

```

## OUTPUT:

```

mint@mint: ~/Desktop/c practical
File Edit View Search Terminal Help
mint@mint:~/Desktop/c practical$ gcc -o prac4.out prac4.c
prac4.c: In function 'main':
prac4.c:25:8: warning: too many arguments for format [-Wformat-extra-args]
   25 | printf("Access time= %d-%d-%d %d:%d:%d\n",dt.tm_mday,dt.tm_mon,dt.tm_yea
      |          ^~~~~~
r+1900,dt.tm_hour,dt.tm_min,dt.tm_min,dt.tm_sec);
mint@mint:~/Desktop/c practical$ ./prac4.out prac3.c prac4.c
Give file name: file=./prac4.out
Owner: 999
gid=999
Access permission = 33277
Access time= 17-8-2022 15:15:15
file=prac3.c
Owner: 999
gid=999
Access permission = 33204
Access time= 17-8-2022 14:41:41
file=prac4.c
Owner: 999
gid=999
Access permission = 33204
Access time= 17-8-2022 15:15:15
mint@mint:~/Desktop/c practical$

```