

**15. Write a C program which display the information of a given file similar to given by the unix / linux command**

**ls -l <file name>**

```
#include <stdio.h>
#include <unistd.h>
#include <sys/types.h>
#include <sys/wait.h>
#include <stdlib.h>
int main()
{
    int pid;           //process id
    pid = fork();      //create another process
    if ( pid < 0 )
    {
        //fail
        printf("\n Fork failed\n");
        exit (-1);
    }
    else if ( pid == 0 )
    {
        //child
        execlp("/bin/ls", "ls", "-l", NULL); //execute ls
    }
    else
    {
        //parent
        wait (NULL);           //wait for child
        printf("\n Child complete\n");
        exit (0);
    }
    return 0;
}
/*
shubham@shubham:~/Documents/C Programs$ gcc 15lscommand.c -o
test
shubham@shubham:~/Documents/C Programs$ ./test
total 104
-rw-r--r-- 1 shubham shubham 817 Mar  1 17:21
10currentdir.c
-rw-r--r-- 1 shubham shubham 560 Apr 27 18:29 15lscommand.c
-rw-r--r-- 1 shubham shubham 2421 Mar 11 20:52
16shellcount.c
-rw-r--r-- 1 shubham shubham 1982 Mar 11 20:54 17shelllist.c
-rw-r--r-- 1 shubham shubham 3150 Mar 11 19:50
18shelltypeline.c
```

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-rw-r--r-- 1 shubham shubham 3111 Mar 11 19:33  
19shellsearch.c  
-rw-r--r-- 1 shubham shubham 1101 Mar 1 11:48 3holefile.c  
-rw-r--r-- 1 shubham shubham 759 Feb 13 16:10 4inode.c  
-rw-r--r-- 1 shubham shubham 1157 Mar 1 11:14 6 filetype.c  
-rw-r--r-- 1 shubham shubham 381 Feb 10 11:47 7atexit.c  
-rw-r--r-- 1 shubham shubham 445 Mar 1 10:59 8sleep.c  
-rw-r--r-- 1 shubham shubham 427 Feb 13 15:44 9filesize.c  
drwxr-xr-x 27 shubham shubham 4096 Mar 20 2014 apue.3e  
-rw-rw-r-- 1 shubham shubham 60 Mar 11 20:18 demo.docx  
-rw-r--r-- 1 shubham shubham 69 Mar 20 18:37 demo.txt  
-rw-r--r-- 1 shubham shubham 16394 Mar 1 11:48 file.hole  
-rw-r--r-- 1 shubham shubham 465 Mar 22 14:01 hello.c  
-rw-r--r-- 1 shubham shubham 635 Mar 20 18:59 lseek.c  
drwxr-xr-x 2 shubham shubham 4096 Feb 13 16:08 new  
-rw-r--r-- 1 shubham shubham 5 Apr 27 18:00 program.txt  
-rw-r--r-- 1 shubham shubham 439 Mar 17 16:15 race.c  
-rwxr-xr-x 1 shubham shubham 8480 Apr 27 18:29 test  
-rw-r--r-- 1 shubham shubham 413 Apr 27 18:00 udf.c
```

Child complete

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