



```
|           |  
|           |  
|           | int     __off_t {aka long int}  
|           | %ld  
khtzar@khtzar:~/Lab6$ gcc PracticeTask2.cpp -o PracticeTask2  
khtzar@khtzar:~/Lab6$ g++ PracticeTask2.cpp -o compile  
khtzar@khtzar:~/Lab6$ ./compile  
File name: LAB04_TWO  
Size: 53  
khtzar@khtzar:~/Lab6$
```



C++ ▾ Tab Width: 8 ▾

Ln 13



Type here...



```
PracticeTask1.cpp:53:9: error: 'printf' was not declared in this scope; did you mean 'printf'?  
53 |         printf("Copying Unsuccessful");
```

```
      ^~~~~~  
      printf
```

```
khtzar@khtzar:~/Lab6$ gcc PracticeTask1.cpp -o PracticeTask1
```

```
khtzar@khtzar:~/Lab6$ g++ PracticeTask1.cpp -o compile
```

```
khtzar@khtzar:~/Lab6$ ./compile
```

```
We are writing data inside a file with Write command
```

```
52 {  
53     printf("Copying Unsuccessful");  
54 }  
55  
56 // Close the files  
57 close(fd1);  
58 close(fd2);  
59 }
```

C++ ▾ Tab Width: 8 ▾

Ln 57, Col 1

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```
60     cout << "printf"?  
61     if  
62     {  
63         printf("Copying Unsuccessful");  
64     }  
65     else  
66     {  
67         cout << "Copy successful";  
68     }  
69 }  
70  
71 // Close the files  
72 close(fd1);  
73 close(fd2);  
74 }
```

```
+++ | +#include <stdio>
14 |
khtzar@khtzar:~/Lab6$ gcc WT.cpp -o WT
khtzar@khtzar:~/Lab6$ g++ WT.cpp -o compile
khtzar@khtzar:~/Lab6$ ./compile
```

I/O test with sendfile() and related system calls.

```
Allocating 64 MB buffer: DONE
Writing data to first buffer: DONE
Copying data from first file to second: DONE
Freeing buffer: DONE
Deleting files: DONE
khtzar@khtzar:~/Lab6$
```

```
25
26 printf("Writing data to first buffer: ");
27 fOut = open("buffer1", O_RDONLY);
28 write(fout, &buffer, BUFFER_SIZE);
29 close(fout); printf("DONE\n");
30 printf("Copying data from first file to second: ");
31 if (sendfile(fOut, "file1", 0, PROXY_Y))
```

khtzar@khtzar:~/Lab6\$
khtzar@khtzar:~/Lab6\$ gcc Task3.cpp -o Task3
khtzar@khtzar:~/Lab6\$ g++ Task3.cpp -o compile
khtzar@khtzar:~/Lab6\$./compile
Error Number : 2
Error Description : : No such file or directory
khtzar@khtzar:~/Lab6\$



khizar@khizar: ~/Lab6

khizar@khizar: ~/Lab6

khizar@khizar: ~/Lab6\$ gcc Task2.cpp -o Task2

khizar@khizar: ~/Lab6\$ g++ Task2.cpp -o compile

khizar@khizar: ~/Lab6\$./compile

Enter the name of a file to check:

Task2

File st_uid 1000

File st_blksize 4096

File st_gid 1000

File st_blocks 32

File st_size 16384

File st_nlink 1

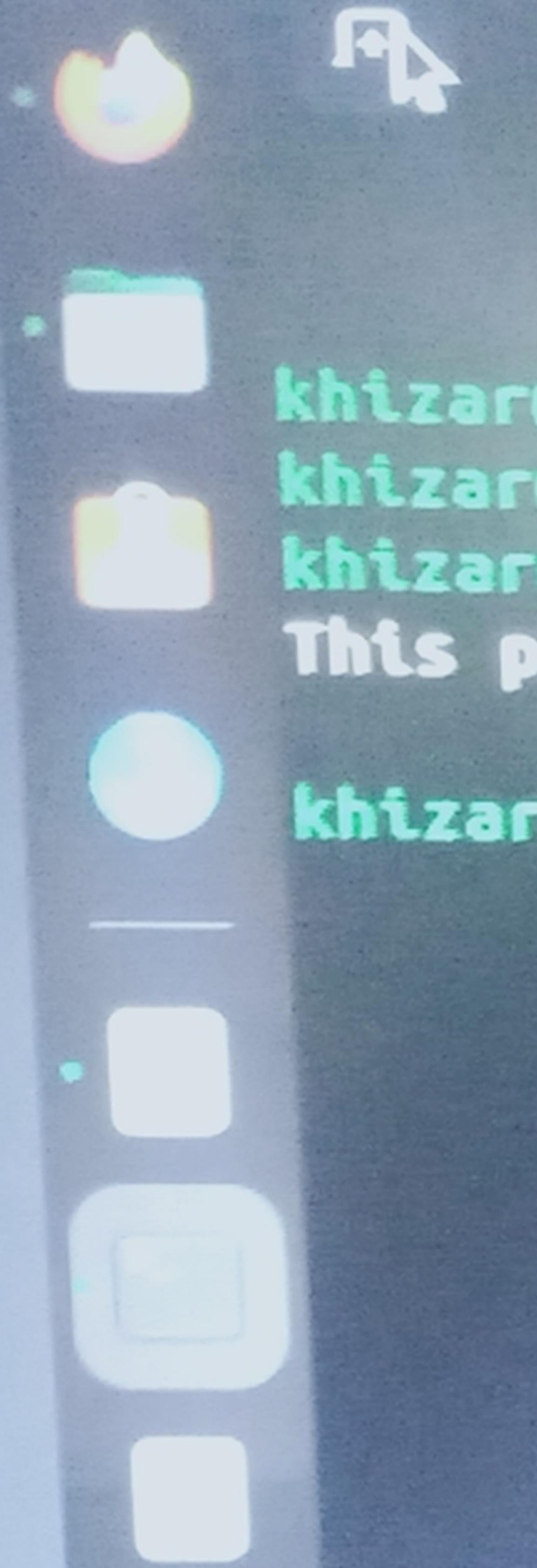
File Permissions User
rwx

File Permissions Group
rwx

Activities

Terminal

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khizar@khizar: ~/Lab6

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khizar@khizar: ~/Lab6

khizar@khizar: ~/Lab6

```
khizar@khizar:~/Lab6$ gcc Task1.cpp -o Task1
khizar@khizar:~/Lab6$ g++ Task1.cpp -o compile
khizar@khizar:~/Lab6$ ./compile
This program is running on CPU core 1 and NUMA node print0.
```

khizar@khizar:~/Lab6\$

Online C++ Debugger - online edito

```
stat struct
e.st_uid);
",sfile.st_blksize);
e.st_gid);
",sfile.st_blocks);
file.st_size);
unsigned int)sfile.st_nlink);
"r\n");
SR)? "r": "-");
iSR)? "w": "-");
SR)? "x": "-");
```

```
up\n");
RP)? "r": "-");
iRP)? "w": "-");
RP)? "x": "-");
```

```
er\n");
TH)? "r": "-");
printf((sfile.st_mode & S_IWOTH)? "w": "-");
```

12:41 ١٥ نوفمبر

khizar@khizar: ~/Lab6

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```
khizar@khizar:~$ cd
khizar@khizar:~$ mkdir Lab6
khizar@khizar:~$ gcc Task1.cpp -o Task1
cc1plus: fatal error: Task1.cpp: No such file or directory
compilation terminated.
```

```
khizar@khizar:~$ ls
Ali           Downloads      khizer1.cpp   LAB3   LABQUIZ  Pictures  snap    Videos
Desktop       fork_ex.cpp   khizer2.cpp   LAB4   Music     Public    task1.cpp
Documents     khtizer1      LAB          Lab6   Mytitle  QUIZ     Templates
```

```
khizar@khizar:~$ cd Lab6
khizar@khizar:~/Lab6$ gcc Task1.cpp -o Task1
khizar@khizar:~/Lab6$ g++ Task1.cpp -o compile
khizar@khizar:~/Lab6$ ./compile
This program is running on CPU core 0 and NUMA node print0.
```

```
khizar@khizar:~/Lab6$
```

",cpu,node);

ode