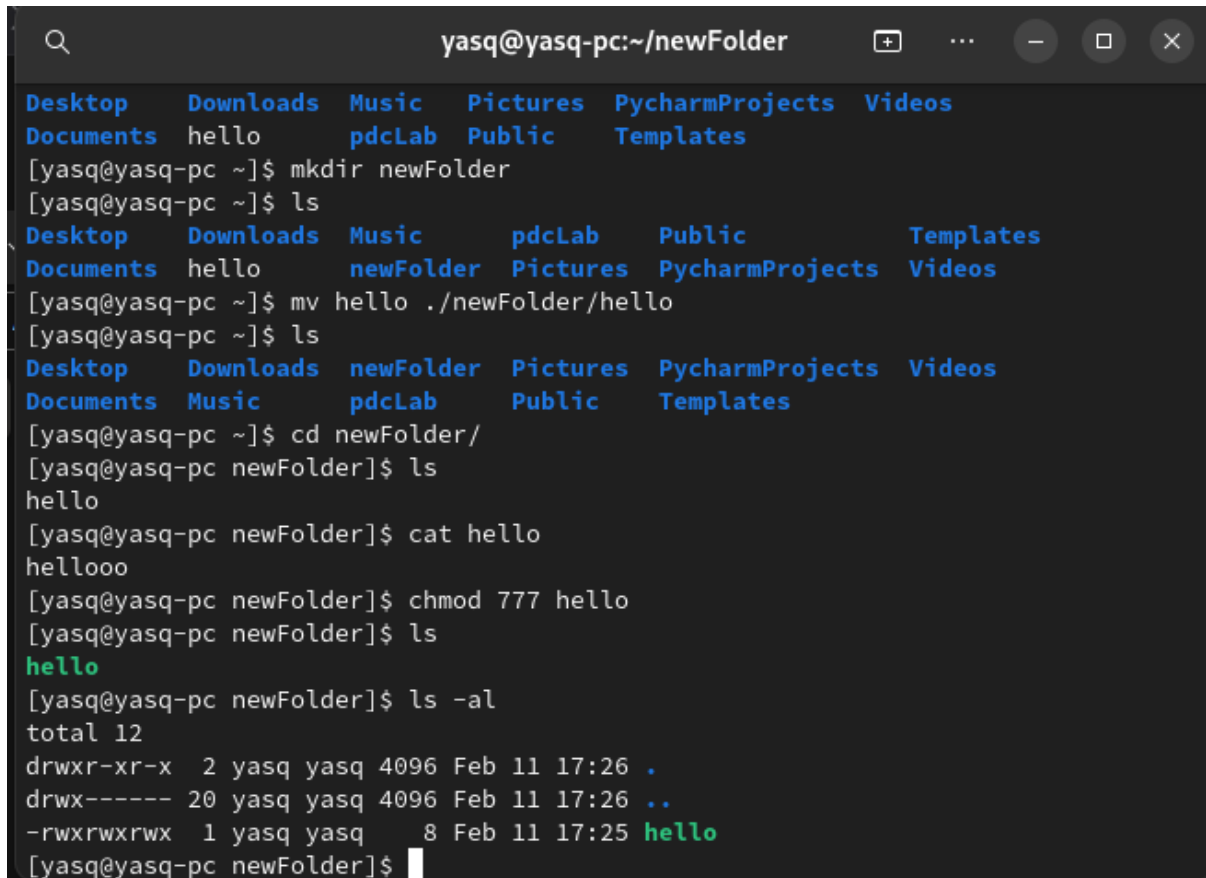Parallel and Distributed Computing

Lab 0

Shazain

27115

1) ls, mkdir, chmod, mv

cp, tar


```
[yasq@yasq-pc ~]$ ls
Desktop     Downloads  Music      pdcLab    Public         Templates
Documents  hello2      newFolder  Pictures  PycharmProjects  Videos
[yasq@yasq-pc ~]$ cp hello2 ./newFolder/hello2
[yasq@yasq-pc ~]$ ls
Desktop     Downloads  Music      pdcLab    Public         Templates
Documents  hello2      newFolder  Pictures  PycharmProjects  Videos
[yasq@yasq-pc ~]$ cd newFolder/
[yasq@yasq-pc newFolder]$ ls
hello   hello2
[yasq@yasq-pc newFolder]$ tar -czvf archive.tar.gz ./
./
./hello
./hello2
tar: .: file changed as we read it
[yasq@yasq-pc newFolder]$ ls
archive.tar.gz  hello   hello2
[yasq@yasq-pc newFolder]$ tar -xzvf archive.tar.gz
./
./hello
./hello2
[yasq@yasq-pc newFolder]$ ls
archive.tar.gz  hello   hello2
[yasq@yasq-pc newFolder]$
```
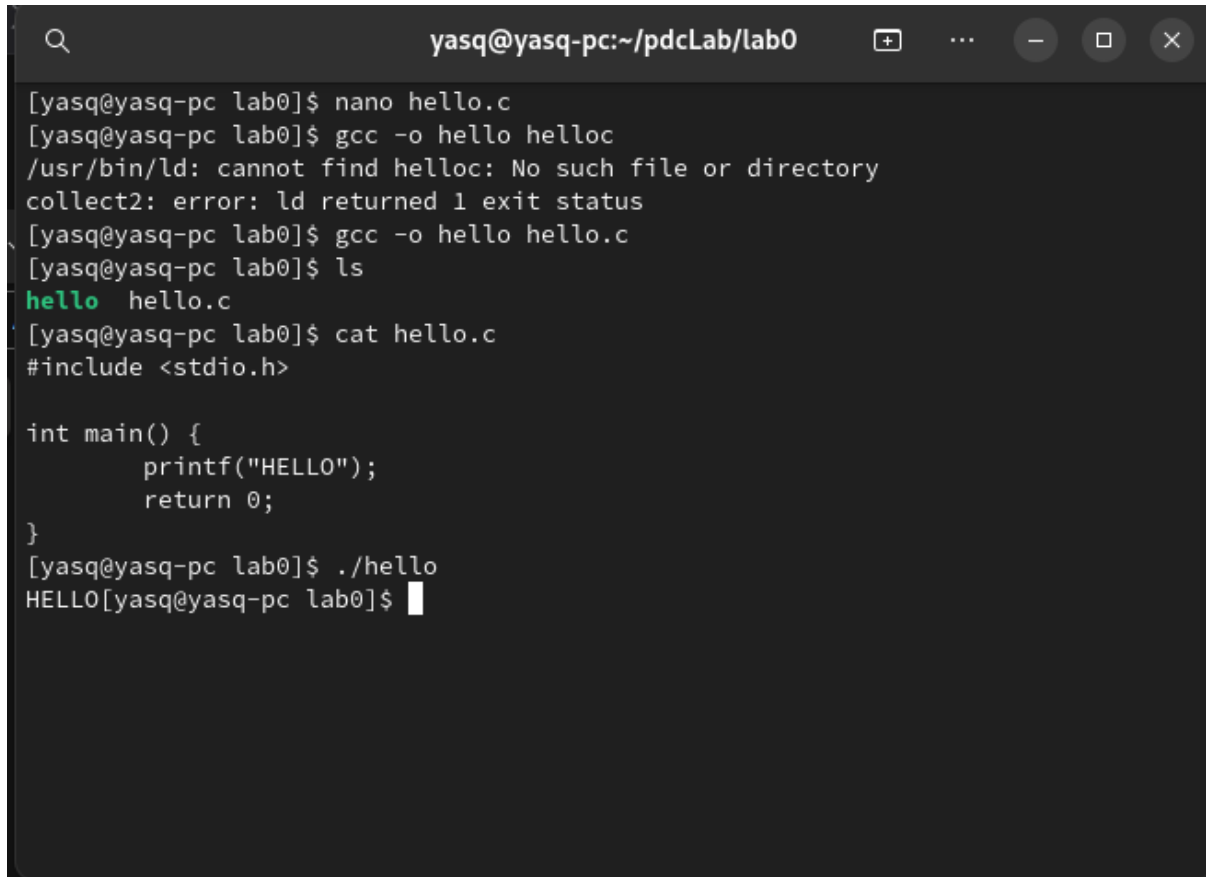
2) Script which makes a folder, goes into it, and makes another folder inside it

```
[yasq@yasq-pc newFolder]$ nano test.sh
[yasq@yasq-pc newFolder]$ ls -al
total 24
drwxr-xr-x  2 yasq yasq 4096 Feb 11 17:51 .
drwx------ 20 yasq yasq 4096 Feb 11 17:28 ..
-rw-r--r--  1 yasq yasq  187 Feb 11 17:44 archive.tar.gz
-rwxr-xr-x  1 yasq yasq    8 Feb 11 17:25 hello
-rw-r--r--  1 yasq yasq    9 Feb 11 17:43 hello2
-rw-r--r--  1 yasq yasq   47 Feb 11 17:51 test.sh
[yasq@yasq-pc newFolder]$ chmod u+x test.sh
[yasq@yasq-pc newFolder]$ ls -al test.sh
-rwxr--r-- 1 yasq yasq 47 Feb 11 17:51 test.sh
[yasq@yasq-pc newFolder]$ ./test.sh
[yasq@yasq-pc newFolder]$ ls
archive.tar.gz  hello  hello2  testFolder  test.sh
[yasq@yasq-pc newFolder]$ cat test.sh
mkdir testFolder
cd testFolder
mkdir thisworks
[yasq@yasq-pc newFolder]$ ls testFolder
thisworks
[yasq@yasq-pc newFolder]$
```

3) Gcc Compiler

```
Q                     yasq@yasq-pc:~/pdcLab/lab0        ⊞    ⋯    ─    ▢    ✕

[yasq@yasq-pc lab0]$ nano hello.c
[yasq@yasq-pc lab0]$ gcc -o hello helloc
/usr/bin/ld: cannot find helloc: No such file or directory
collect2: error: ld returned 1 exit status
[yasq@yasq-pc lab0]$ gcc -o hello hello.c
[yasq@yasq-pc lab0]$ ls
hello  hello.c
[yasq@yasq-pc lab0]$ cat hello.c
#include <stdio.h>

int main() {
        printf("HELLO");
        return 0;
}
[yasq@yasq-pc lab0]$ ./hello
HELLO[yasq@yasq-pc lab0]$ █
```