

Execution steps of OS Programs

Assignment No. 1 : Shell program

1. Save Shell program using .sh
2. Then use chmod to change the permission by using chmod +x prg.sh
3. Execute using ./prg.sh

Assignment No. 2b : EXECVE

1. Create two program as cp and np (Current program-which include Execve system call and new program)
2. Then execute both program
3. Execute gcc -o cp first.c
4. ./cp
5. Execute gcc -o np second.c (give this" ./np" as parameter into the execve system call)
6. ./np
7. Then execute ./cp

Assignment No. 4:

```
gcc -o aa nameofprg.c -lpthread  
./aa
```

(for both 4A and 4B)

Compilation of thread program producer-consumer/reader-writer

```
gcc thread.c -lpthread
```

```
./a.out
```

Or

```
gcc -o aa thread.c -lpthread
```

```
./aa
```

Assignment No. 7: A:FIFO

1. Open **two terminal windows** separately
2. Execute first server/writer program in **one terminal window**
gcc -o sender server.c
./sender
3. Simultaneously **open second terminal window** to execute client/reader program
gcc -o receiver client.c
./receiver

OR

Use execute both by using ./sender & ./receiver

Assignment No. 7: B:shared memory

First execute server/sender program for shared memory

Shared memory server/sender

gcc -o aa server.c

./aa

Then execute Client / receiver program for shared memory

Shared memory client/sender

gcc -o aa client.c

./aa

Remaining assignment use

gcc -o aa nameofsrcprg.c

./aa