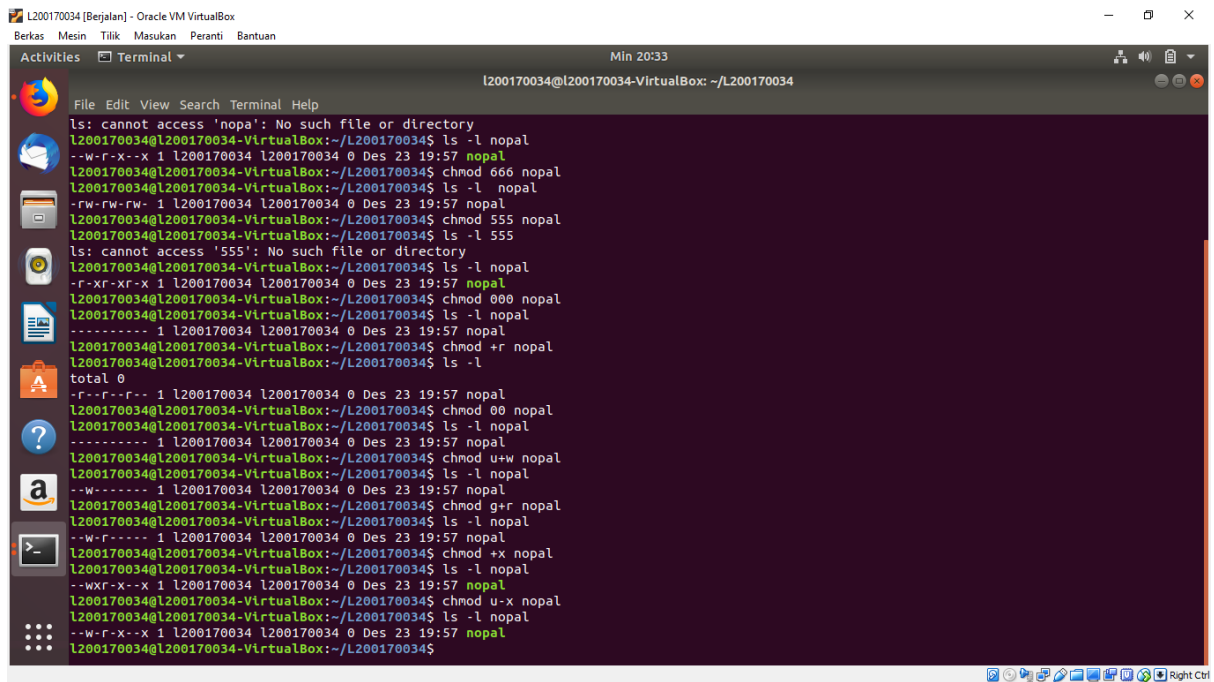
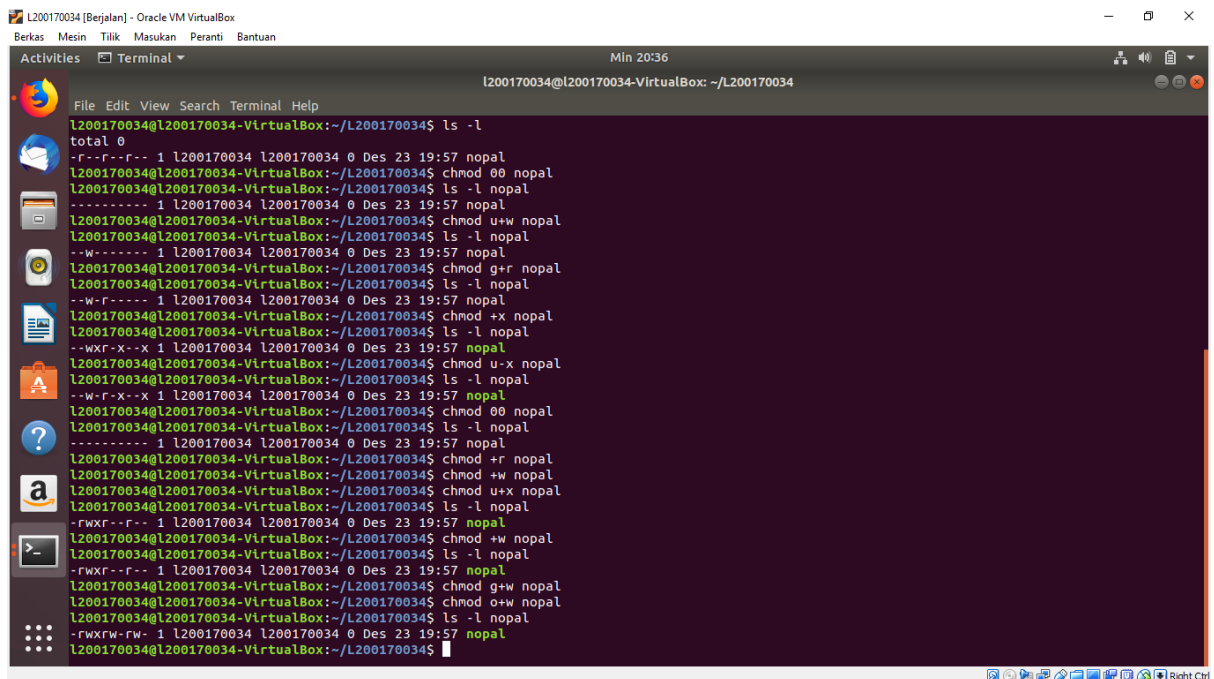


Praktikum 7



The screenshot shows a terminal window titled "L200170034 [Berjalan] - Oracle VM VirtualBox". The terminal output shows the user attempting to list the contents of a directory named "nopai", which fails with the error "ls: cannot access 'nopai': No such file or directory". The user then runs a series of commands to create the directory and set permissions. The commands and their outputs are as follows:

```
L200170034@L200170034-VirtualBox: ~/L200170034
ls: cannot access 'nopai': No such file or directory
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--w-r-x--x 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod 666 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--rw-rw-rw- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod 555 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l 555
ls: cannot access '555': No such file or directory
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
-r-xr-xr-x 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod 000 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
----- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod +r nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l
total 0
-r--r--r-- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod 00 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
----- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod u+w nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--w----- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod g+r nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--w-r----- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod +x nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--wxr-x--x 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod u-x nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--w-r-x--x 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$
```



The screenshot shows a terminal window titled "L200170034 [Berjalan] - Oracle VM VirtualBox". The terminal output shows the user attempting to list the contents of a directory named "nopai", which fails with the error "ls: cannot access 'nopai': No such file or directory". The user then runs a series of commands to create the directory and set permissions. The commands and their outputs are as follows:

```
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l
total 0
-r--r--r-- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod 00 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
----- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod u+w nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--w----- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod g+r nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--w-r----- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod +x nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--wxr-x--x 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod u-x nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--w-r-x--x 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod 00 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
----- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod +r nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod +w nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod u+x nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--wxr-r-- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod +w nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--wxr-r-- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod g+w nopai
L200170034@L200170034-VirtualBox:~/L200170034$ chmod o+w nopai
L200170034@L200170034-VirtualBox:~/L200170034$ ls -l nopai
--rwxrwx-rw- 1 L200170034 L200170034 0 Des 23 19:57 nopai
L200170034@L200170034-VirtualBox:~/L200170034$
```

```
L200170034 [Bejalan] - Oracle VM VirtualBox
Berkas Mesin Tilik Masukan Peranti Bantuan
Activities Terminal Min 20:38
l200170034@l200170034-VirtualBox: ~/L200170034

File Edit View Search Terminal Help
l200170034@l200170034-VirtualBox:~/L200170034$ chmod g+r nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
--w-r----- 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +x nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
--wxr-x--x 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod u-x nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
--w-r-x--x 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod 00 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
----- 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +r nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +w nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +x nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
-rwxr--r-- 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +w nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
-rwxr--r-- 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod g+w nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod o+w nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
-rwxrw-rw- 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +r nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +x nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
-rwxrwxrwx 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod 00 nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +r nopal
l200170034@l200170034-VirtualBox:~/L200170034$ chmod +x nopal
l200170034@l200170034-VirtualBox:~/L200170034$ ls -l nopal
-r-xr-xr-x 1 l200170034 l200170034 0 Des 23 19:57 nopal
l200170034@l200170034-VirtualBox:~/L200170034$
```

Modul 8

```
L200170034 [Bejalan] - Oracle VM VirtualBox
Berkas Mesin Tilik Masukan Peranti Bantuan
Activities Terminal Min 20:54
l200170034@l200170034-VirtualBox: ~/L200170034

File Edit View Search Terminal Help
l200170034@l200170034-VirtualBox:~/L200170034$ cd L200170034
l200170034@l200170034-VirtualBox:~/L200170034$ gedit fork.c
l200170034@l200170034-VirtualBox:~/L200170034$ gcc fork.c
fork.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(){
Parent process:
Process id is 2337
Value of x is 6
Process id of shell is 2302
l200170034@l200170034-VirtualBox:~/L200170034$ Child process
Process id is 2338
Value of x is 6
Process id of parent is 754
l200170034@l200170034-VirtualBox:~/L200170034$
```

```
L200170034 [Berjalan] - Oracle VM VirtualBox
Berkas Mesin Tilik Masukan Peranti Bantuan

Activities Terminal Min 20:55
l200170034@l200170034-VirtualBox: ~/L200170034

File Edit View Search Terminal Help
l200170034@l200170034-VirtualBox:~$ cd L200170034
l200170034@l200170034-VirtualBox:~/L200170034$ gedit fork.c
l200170034@l200170034-VirtualBox:~/L200170034$ gcc fork.c
fork.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(){
^~~~~~
l200170034@l200170034-VirtualBox:~/L200170034$ ./a.out
bash: ./a.: No such file or directory
l200170034@l200170034-VirtualBox:~/L200170034$ ./a.out

Parent process:
Process id is 2337
Value of x is 6
Process id of shell is 2302
l200170034@l200170034-VirtualBox:~/L200170034$ Child process
Process id is 2338
Value of x is 6
Process id of parent is 754

l200170034@l200170034-VirtualBox:~/L200170034$ gedit wait.c
l200170034@l200170034-VirtualBox:~/L200170034$ gcc wait.c
wait.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main() {
^~~~~~
l200170034@l200170034-VirtualBox:~/L200170034$ ./a.out
Child starts
Nomor Ganjil: 1 3 5 7 9
Child ends

Parent starts
Nomor Genap: 2 4 6 8 10
Parent ends
l200170034@l200170034-VirtualBox:~/L200170034$
```

```
L200170034 [Berjalan] - Oracle VM VirtualBox
Berkas Mesin Tilik Masukan Peranti Bantuan

Activities Terminal Min 20:58
l200170034@l200170034-VirtualBox: ~/L200170034

File Edit View Search Terminal Help
Value of x is 6
Process id of parent is 754

l200170034@l200170034-VirtualBox:~/L200170034$ gedit wait.c
l200170034@l200170034-VirtualBox:~/L200170034$ gcc wait.c
wait.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main() {
^~~~~~
l200170034@l200170034-VirtualBox:~/L200170034$ ./a.out
Child starts
Nomor Ganjil: 1 3 5 7 9
Child ends

Parent starts
Nomor Genap: 2 4 6 8 10
Parent ends
l200170034@l200170034-VirtualBox:~/L200170034$ gedit exec.c
l200170034@l200170034-VirtualBox:~/L200170034$ gcc exec.c
exec.c:7:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char*argv[]){
^~~~~~
exec.c: In function 'main':
exec.c:25:3: warning: missing sentinel in function call [-Wformat=]
i = execl(argv[1], argv[2], 0);
^
l200170034@l200170034-VirtualBox:~/L200170034$ ./a.out

Insufficient arguments to load program
Usage: ./a.out <path> <cmd>
l200170034@l200170034-VirtualBox:~/L200170034$ ./a.out /bin/ls /ls
Child process
a.out exec.c fork.c wait.c
Child Terminated
l200170034@l200170034-VirtualBox:~/L200170034$
```

```
L200170034 [Berjalan] - Oracle VM VirtualBox
Berkas Mesin Tilik Masukan Peranti Bantuan

Activities Terminal Min 21:00
l200170034@l200170034-VirtualBox: ~/L200170034

File Edit View Search Terminal Help
l200170034@l200170034-VirtualBox:~/L200170034$ gedit stat.c
l200170034@l200170034-VirtualBox:~/L200170034$ gcc stat.c
stat.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char*argv[]){
^~~~~
stat.c: In function 'main':
stat.c:20:23: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blksize_t {aka long int}' [-Wformat=]
printf("Block size: %d\n", file.st_blksize);
                        ^~
stat.c:21:29: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blkcnt_t {aka long int}' [-Wformat=]
printf("Blocks allocated: %d\n", file.st_blocks);
                        ^~
stat.c:22:22: warning: format '%d' expects argument of type 'int', but argument 2 has type '__ino_t {aka long unsigned int}' [-Wformat=]
printf("Inode no.: %d\n", file.st_ino);
                        ^~
stat.c:23:33: warning: format '%s' expects argument of type 'char *', but argument 2 has type '__time_t {aka long int}' [-Wformat=]
printf("Last accessed: %s", file.st_atime);
                        ^~
stat.c:24:33: warning: format '%s' expects argument of type 'char *', but argument 2 has type '__time_t {aka long int}' [-Wformat=]
printf("Last modified: %s", file.st_mtime);
                        ^~
stat.c:25:29: warning: format '%d' expects argument of type 'int', but argument 2 has type '__off_t {aka long int}' [-Wformat=]
printf("File size: %d bytes\n", file.st_size);
                        ^~
stat.c:26:25: warning: format '%d' expects argument of type 'int', but argument 2 has type '__nlink_t {aka long unsigned int}' [-Wformat=]
printf("No. of links: %d\n", file.st_nlink);
                        ^~
l200170034@l200170034-VirtualBox:~/L200170034$
```

```
L200170034 [Berjalan] - Oracle VM VirtualBox
Berkas Mesin Tilik Masukan Peranti Bantuan

Activities Terminal Min 21:01
l200170034@l200170034-VirtualBox: ~/L200170034

File Edit View Search Terminal Help
stat.c:21:29: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blkcnt_t {aka long int}' [-Wformat=]
printf("Blocks allocated: %d\n", file.st_blocks);
                        ^~
stat.c:22:22: warning: format '%d' expects argument of type 'int', but argument 2 has type '__ino_t {aka long unsigned int}' [-Wformat=]
printf("Inode no.: %d\n", file.st_ino);
                        ^~
stat.c:23:33: warning: format '%s' expects argument of type 'char *', but argument 2 has type '__time_t {aka long int}' [-Wformat=]
printf("Last accessed: %s", file.st_atime);
                        ^~
stat.c:24:33: warning: format '%s' expects argument of type 'char *', but argument 2 has type '__time_t {aka long int}' [-Wformat=]
printf("Last modified: %s", file.st_mtime);
                        ^~
stat.c:25:29: warning: format '%d' expects argument of type 'int', but argument 2 has type '__off_t {aka long int}' [-Wformat=]
printf("File size: %d bytes\n", file.st_size);
                        ^~
stat.c:26:25: warning: format '%d' expects argument of type 'int', but argument 2 has type '__nlink_t {aka long unsigned int}' [-Wformat=]
printf("No. of links: %d\n", file.st_nlink);
                        ^~
l200170034@l200170034-VirtualBox:~/L200170034$ ./a.out stat.c
User id: 1000
Group id: 1000
Block size: 4096
Blocks allocated: 8
Inode no.: 135352
Segmentation fault (core dumped)
l200170034@l200170034-VirtualBox:~/L200170034$
```

