Nama : Rifqi Alwan P

Nim : L200180008

MODUL 8

Fork.c

```
Terminal - root@kayon-pc
File Edit View Terminal Tabs Help

root@kayon-pc26: /home/kay... x kayon-pc26@kayon-pc26: ~ x root@kayon-pc26: /home/kay... x

GNU nano 2.9.3

#include <stdio.h>
#include <stdib.h>
#include <stdib.h>
#include <stdib.h>
#include <sys/types.h>
int main() {

    pid t pid;
    int x = 5;
    pid = fork();
    x++;
    if (pid < 0) {

        printf("Proces creation error"); exit(-1);
    }

    else if (pid == 0)

    {

        printf("\nProcessid is %d", getpid());
        printf("\nProcessid is %d", x);
        printf("\nProcessid is %d", x);
        printf("\nProcessid is %d", getpid());
        printf("\nProcessid is %d", getpid());
        printf("\nProcessid is %d", x);
        printf("\n
```

```
kayon-pc26@kayon-pc26:-$ gcc fork.c
kayon-pc26@kayon-pc26:-$ ./a.out

Parent process:
Process id is 2822

Yalue of x is 6
Process id of shell is 2681
Child process:
Process id of shell is 2681
Child process:
Process id is 2823
Value of x is 6
Process id is 2823
Value of x is 6
Process id of parent is 2822

kayon-pc26@kayon-pc26:-$

Kayon-pc26@kayon-pc26:-$

W & B II Untitled I - LibreOffice Writer % Terminal - kayon-pc26@kayo...
```

wait.c

```
File Edit View Terminal Tabs Help

root@kayon-pc26:/home/kay... × kayon-pc26@kayon-pc26: ~ × root@kayon-pc26:/home/kay... ×

GNU nano 2.9.3

#include <stdio.h>
#include <stdib.h>
#include <stdib.h>
#include <sys/wait.h>
#include <sys/wait.h
#include <sys/wait.h
#include <sys/wait.h
#include <sys/wait.h
#inc
```

```
kayon-pc26@kayon-pc26:-$ gcc wait.c
kayon-pc26@kayon-pc26:-$ ./a.out
Child starts
Nomor Ganjil: 1 3 5 7 9
Child ends

Parent starts
Nomor Genap: 2 4 6 8 10
Parent ends
kayon-pc26@kayon-pc26:-$

Untitled 1 - LibreOffice Writer > Terminal - kayon-pc26@kayo...
```

Exec.c

```
Terminal - root@kayon-pc26: /home/kayon-pc26: /home/kayon-pc26: /home/kayon-pc26: /home/kayon-pc26: /home/kayon-pc26: /home/kay... x kayon-pc26@kayon-pc26: ~ x root@kayon-pc26: /home/kay... x kayon-pc26@kayon-pc26: ~ x root@kayon-pc26: /home/kay... x kayon-pc26@kayon-pc26: /home/kay... x kayon-pc26: /home/kayon-pc26: /
```

```
kayon-pc26@kayon-pc26:-$ gcc exec.c
kayon-pc26@kayon-pc26:-$ ./a.out /bin/ls ls
Child process
a.out Desktop Documents Downloads exec.c fork.c 'Modul 5 Prak_SO' Music Pictures Public Templates Videos wait.c
Child Terminated
kayon-pc26@kayon-pc26:-$ 

Untitled 1-LibreOffice Writer 2 gcc
```

stat.c

Get Help Exit ^O Write Out ^R Read File

```
Activities Terminal Total Protegorial Prot
```

^W Where Is ^\ Replace ^K Cut Text ^U Uncut Text

Justify To Spell

```
Activities Terminal Temperature Terminal Tabs Help

panda@panda-VirtualBox:~

File Edit View Search Terminal Tabs Help

panda@panda-VirtualBox:~$ gcc stat.c

panda@panda-VirtualBox:~$ ,/a.out stat.c

User id: 0

Block size: 4096

Blocks allocated: 8

Inode no.: 131874

Last accessed: Thu Nov 21 11:36:57 2019

Last modified: Thu Nov 21 11:36:45 2019

File size: 1561 bytes

No. of links: 1

Permissions: -rw-r--r--

File type: Regular

panda@panda-VirtualBox:~$
```

dirlist.c

```
Kam 11:49
Activities □ Terminal ▼
                                                                                 ? •0 🔒 ▼
                                 root@panda-VirtualBox: /home/panda
       File Edit View Search Terminal Tabs Help
      panda@pan... × root@pand... × panda@pan... × panda@pan... ×
                                                                       root@pand... × 🖭
       GNU nano 2.9.3
                                               dirlist.c
      #include <stdio.h>
      #include <dirent.h>
      #include <stdlib.h>
      int main(int argc, char *argv[]){
    struct dirent *dptr;
               DIR *dname;
               if (argc != 2)
                       printf("Usage: ./a.out <dirname>\n");
                       exit(-1);
               if((dname = opendir(argv[1])) == NULL)
                       perror(argv[1]);
                       exit(-1);
               while(dptr=readdir(dname))
                       printf("%s\n", dptr->d_name);
              closedir(dname);
         Get Help
                      ^O Write Out
                                      ^W Where Is
                                                      ^K Cut Text
                                                                         Justify
                                         Replace
                      ^R Read File
                                                         Uncut Text
                                                                         To Spell
         Exit
```



