Nama : Yoga Ade Pangestu

NIM : L2001800204

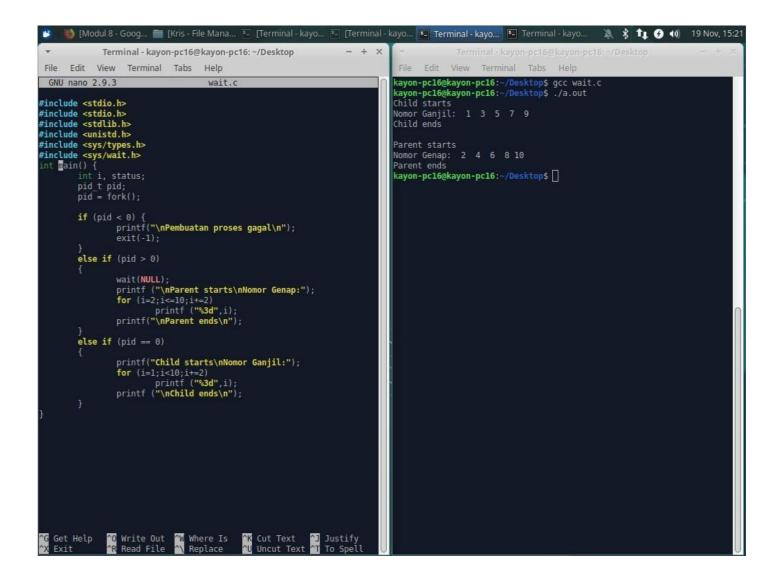
Kelas : E

MODUL 8

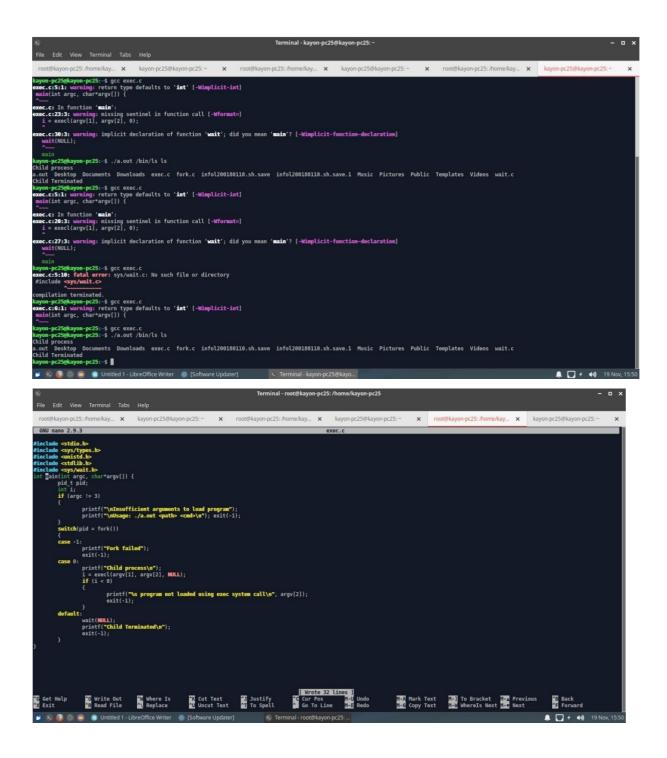
1. Membuat child "Child Process" dengan menggunakan System Call "Fork"

```
My Drive - Google Drive - ... 🗵 [Software Updater]
                                                                                🛂 Terminal - kayon-pc16@kay... 🔼 Terminal - kayon-pc16@kay... 🔌 💲 👣 🕢 🕪 19 Nov, 15:00
                                                                                                                      Terminal - kayon-pc16@kayon-pc16: ~/Desktop
  File Edit View Terminal Tabs Help
                                                                                                     File Edit View Terminal Tabs Help
                                                                                                    fork.c:25:10: warning: too many arguments for format [-Wformat-extra-a
 GNU nano 2.9.3
                                                fork o
#include <stdio.h>
                                                                                                       printf("\nValue of x is %", x);
                                                                                                    kayon-pc16@kayon-pc16:-/Desktop$ gcc 'fork.c'
fork.c: In function 'main':
#include <unistd.h>
#include <sys/types.h>
                                                                                                    fork.c:19:10: warning: unknown escape sequence: '\P'
printf("\Process id of parent is %d\n\n", getppid());
          int x = 5;
pid = fork();
                                                                                                    fork.c:25:27: warning: spurious trailing '%' in format [-Wformat=]
    printf("\nValue of x is %", x);
           x++;
if (pid < 0)
                                                                                                    fork.c:25:10: warning: too many arguments for format [-Wformat-extra-a
                      printf("Process creation error"); exit(-1);
                                                                                                       printf("\nValue of x is %", x);
           else if (pid == 0)
                                                                                                    kayon-pc16@kayon-pc16:~/Desktop$ gcc fork.c
                                                                                                    fork.c: In function 'main':
fork.c:19:10: warning: unknown escape sequence: '\P'
    printf("\Process id of parent is %d\n\n", getppid());
                      printf("Child process:");
                      printf("\nProcess id is %d", getpid());
printf("\nValue of x is %d", x);
printf("\nProcess id of parent is %d\n\n", getppid());
                                                                                                    fork.c:25:27: warning: spurious trailing '%' in format [-Wformat=]
    printf("\nValue of x is %", x);
           }
else
                      printf("\nParent process:");
                                                                                                    fork.c:25:10: warning: too many arguments for format [-Wformat-extra-a
                      printf("\nProcess id is %d", getpid());
printf("\nValue of x is %d", x);
printf("\nProcess id of shell is %d\n", getppid());
                                                                                                        printf("\nValue of x is %", x);
                                                                                                     kayon-pc16@kayon-pc16:~/Desktop$ gcc fork.c
                                                                                                    fork.c: In function 'main':
                                                                                                    fork.c:19:10: warning: unknown escape sequence: '\P'
printf("\Process id of parent is %d\n\n", getppid());
                                                                                                    kayon-pc16@kayon-pc16:~/Desktop$ gcc fork.c
kayon-pc16@kayon-pc16:~/Desktop$ ./a.out
                                                                                                    Parent process:
                                                                                                    Process id is 1537
Value of x is 6
Process id of shell is 1481
                                                                                                    Process id is 1538
                                                                                                    Value of x is 6
Process id of parent is 1537
                   ^K Cut Text ^J Justify
^U Uncut Text ^T To Spell
   Get Help
                                                                                                     kayon-pc16@kayon-pc16:~/Desktop$
```

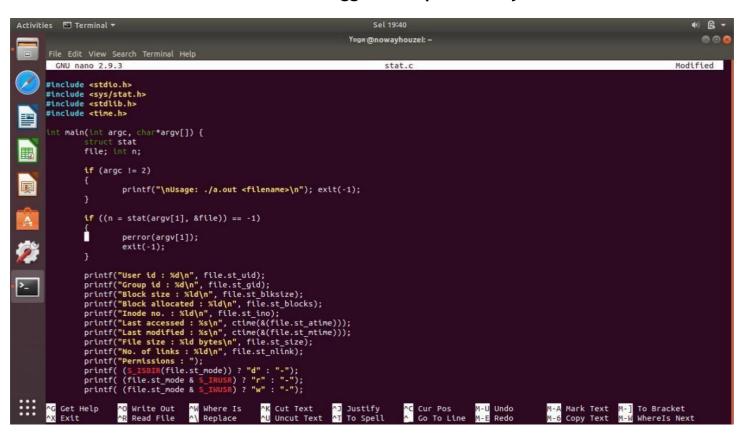
2. Menghentikan sementara (block) proses parent dengan proses child selesai, menggunakan system call "wait"

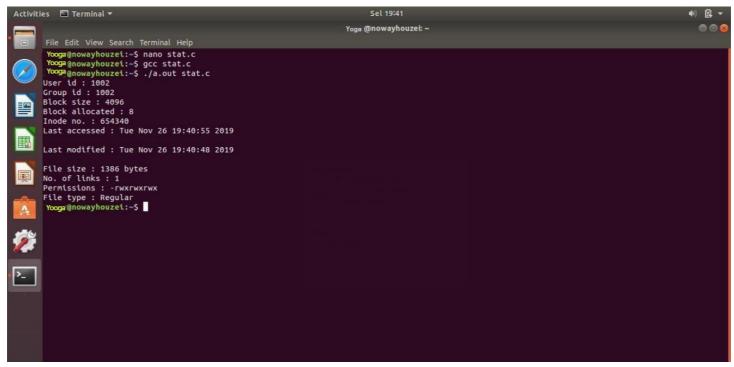


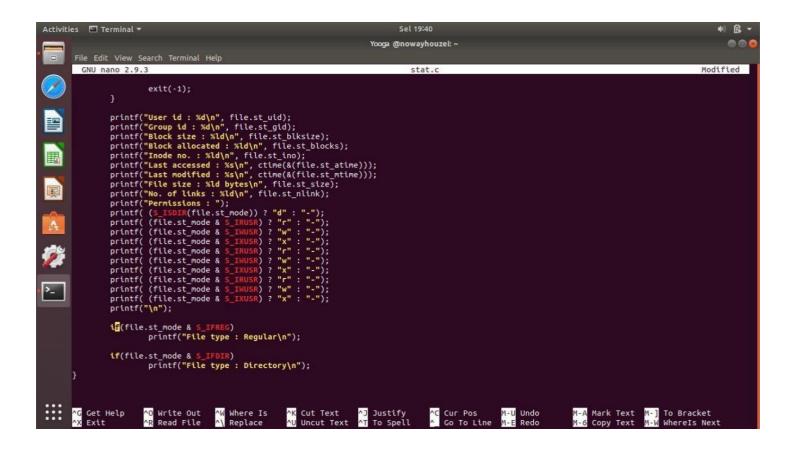
3. Loading Program yang dapat dieksekusi dalam sebuah "Child" Proses menggunakan perintah system call "exec"



4. Menambahkan status file menggunakan perintha system call "stat"







5. Menampilkan isi direktori menggunakan perintah system call "readdir"

