

```

fki@lab-fki: ~/L200170052
File Edit View Search Terminal Help

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:3947:16: Expected a s
tring.

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:3993:12: not a number

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:3993:12: Expected a s
tring.

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:3996:66: Using one co
lor stop with linear-gradient() is deprecated.

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:4003:66: Using one co
lor stop with linear-gradient() is deprecated.

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:4166:72: Using one co
lor stop with linear-gradient() is deprecated.

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:4173:56: Using one co
lor stop with linear-gradient() is deprecated.

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:4176:73: Using one co
lor stop with linear-gradient() is deprecated.

Open
fork.c
~/L200170052

#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/types.h>

main() {
    pid_t pid ;
    int x = 5;
    pid = fork();
    x++;
    if (pid < 0)
    {
        printf("Process creation error"); exit(-1);
    }
    else if (pid == 0)
    {
        printf("Child process:");
        printf("\nProcess id is %d", getpid());
        printf("\nValue of x is %d", x);
        printf("\nProcess id of parent is %d\n", getppid());
    }
    else
    {
        printf("\nParent process:");
        printf("\nProcess id is %d", getpid());
        printf("\nValue of x is %d", x);
        printf("\nProcess id of shell is %d\n", getppid());
    }
}

```

```

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(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:4166:72: Using one co
lor stop with linear-gradient() is deprecated.

(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:4173:56: Using one co
lor stop with linear-gradient() is deprecated.

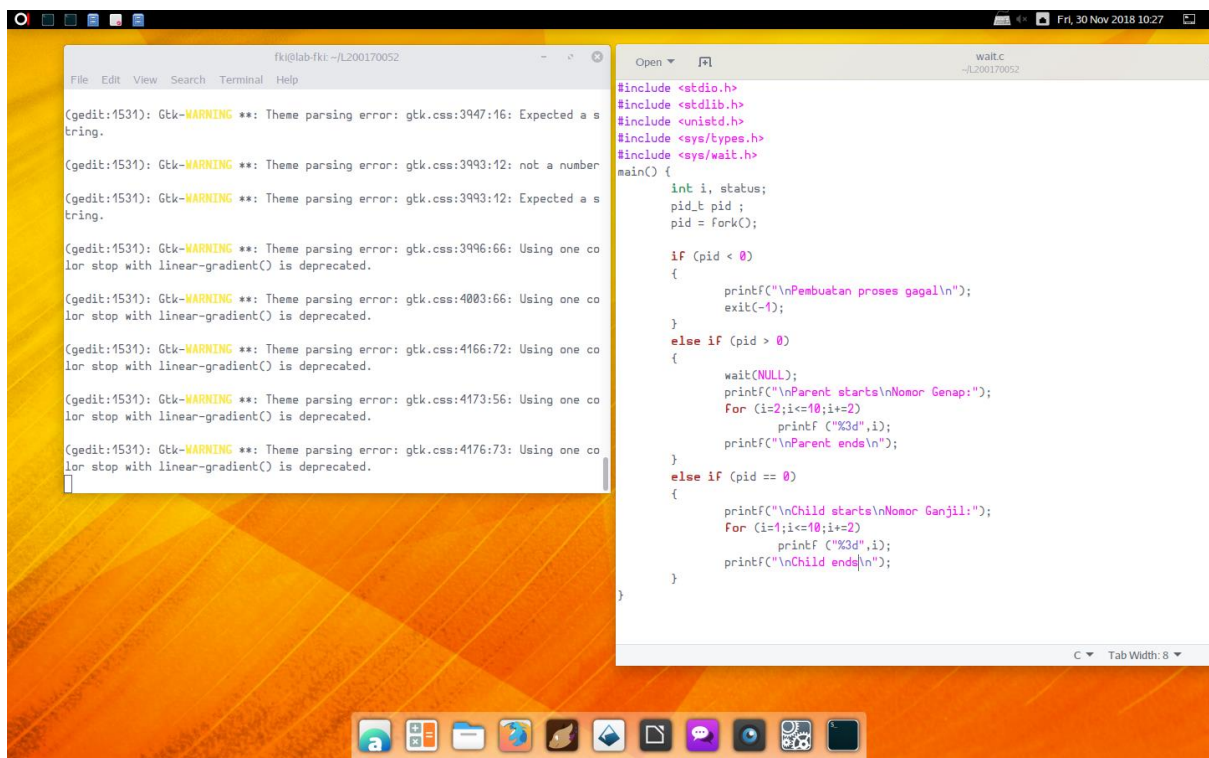
(gedit:1438): Gtk-WARNING **: Theme parsing error: gtk.css:4176:73: Using one co
lor stop with linear-gradient() is deprecated.
fki@lab-fki:~/L200170052$ gcc fork.c
fork.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]
main() {
^
fki@lab-fki:~/L200170052$ ./a.out

Parent process:
Process id is 1507
Value of x is 6
Process id of shell is 1294
Child process:
Process id is 1508
Value of x is 6
Process id of parent is 1507

fki@lab-fki:~/L200170052$

```

fork.c



```
fki@lab-fki: ~/L200170052
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lor stop with linear-gradient() is deprecated.

(gedit:1531): Gtk-WARNING **: Theme parsing error: gtk.css:4166:72: Using one color stop with linear-gradient() is deprecated.

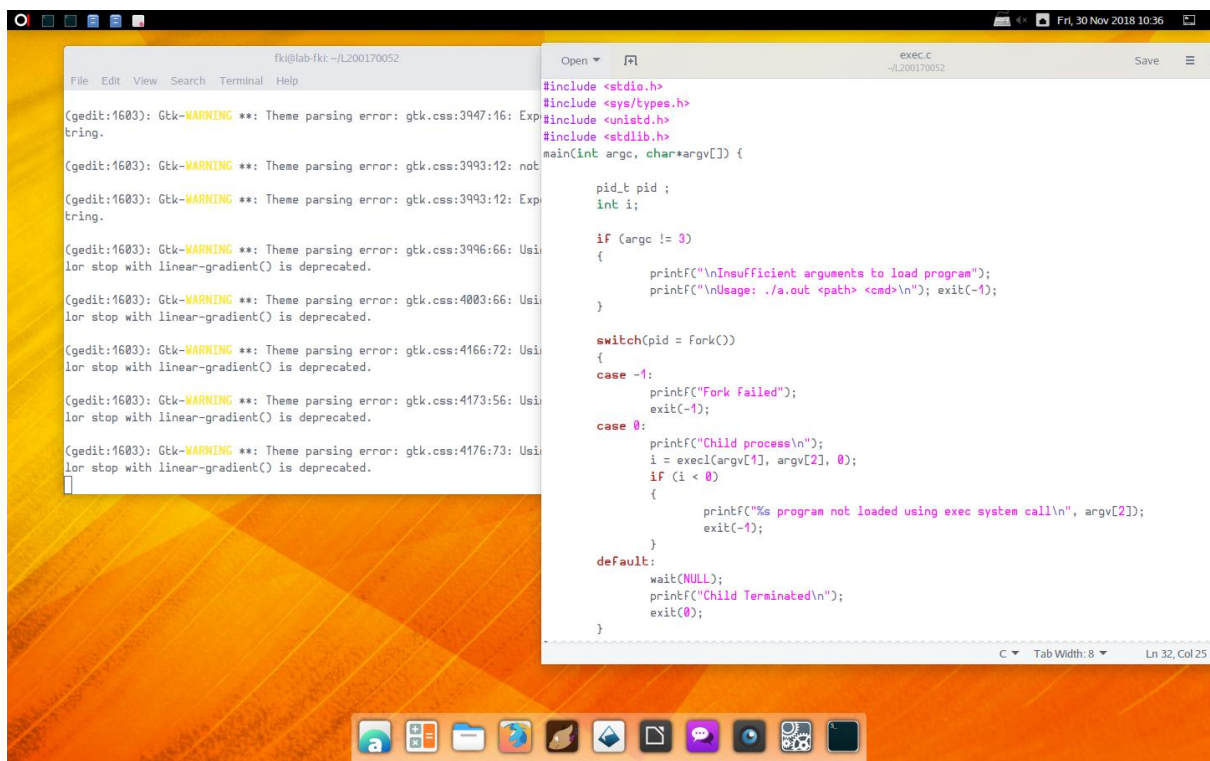
(gedit:1531): Gtk-WARNING **: Theme parsing error: gtk.css:4173:56: Using one color stop with linear-gradient() is deprecated.

(gedit:1531): Gtk-WARNING **: Theme parsing error: gtk.css:4176:73: Using one color stop with linear-gradient() is deprecated.
fki@lab-fki:~/L200170052$ gcc wait.c
wait.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main() {
^
fki@lab-fki:~/L200170052$ ./a.out

Child starts
Nomor Ganjil:  1  3  5  7  9
Child ends

Parent starts
Nomor Genap:  2  4  6  8 10
Parent ends
fki@lab-fki:~/L200170052$
```

wait.c



(gedit:1603): Gtk-WARNING \*\*: Theme parsing error: gtk.css:4166:72: Using one color stop with linear-gradient() is deprecated.

(gedit:1603): Gtk-WARNING \*\*: Theme parsing error: gtk.css:4173:56: Using one color stop with linear-gradient() is deprecated.

(gedit:1603): Gtk-WARNING \*\*: Theme parsing error: gtk.css:4176:73: Using one color stop with linear-gradient() is deprecated.

fki@lab-fki:~/L200170052\$ gcc exec.c

exec.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]

```
main(int argc, char*argv[]) {
    ^~~~
```

exec.c: In function 'main':

exec.c:30:3: warning: implicit declaration of function 'wait'; did you mean 'main'? [-Wimplicit-function-declaration]

```
    wait(NULL);
    ^~~~
```

main

fki@lab-fki:~/L200170052\$ ./a.out /bin/ls /ls

Child process

a.out exec.c fork.c wait.c

Child Terminated

fki@lab-fki:~/L200170052\$

exec.c

```
stat.c
~/L200170052

#include <time.h>
int main(int argc, char*argv[]) {
    struct stat
    file; int n;
    if (argc != 2)
    {
        printf("Usage: ./a.out <filename>\n"); exit(-1);
    }
    if ((n = stat(argv[1], &file)) == -1)
    {
        perror(argv[1]);
        exit(-1);
    }
    printf("User id : %d\n", file.st_uid);
    printf("Group id : %d\n", file.st_gid);
    printf("Block size : %d\n", file.st_blksize);
    printf("Blocks allocated : %d\n", file.st_blocks);
    printf("Inode no. : %d\n", file.st_ino);
    printf("Last accessed : %s", ctime(&file.st_atime));
    printf("Last modified : %s", ctime(&file.st_mtime));
    printf("File size : %d bytes\n", file.st_size);
    printf("No. of links : %d\n", file.st_nlink);
    printf("Permissions : ");
    printf(" (S_ISDIR(file.st_mode) ? "d" : "-");
    printf(" (file.st_mode & S_IRUSR) ? "r" : "-");
    printf(" (file.st_mode & S_IWUSR) ? "w" : "-");
    printf(" (file.st_mode & S_IXUSR) ? "x" : "-");
    printf(" (file.st_mode & S_IRGRP) ? "r" : "-");
    printf(" (file.st_mode & S_IWGRP) ? "w" : "-");
    printf(" (file.st_mode & S_IXGRP) ? "x" : "-");
    printf(" (file.st_mode & S_IROTH) ? "r" : "-");
    printf(" (file.st_mode & S_IWOTH) ? "w" : "-");
    printf(" (file.st_mode & S_IXOTH) ? "x" : "-");
    printf("\n");
    if(file.st_mode & S_IFREG)
        printf("file type : Regular\n");
    if(file.st_mode & S_IFDIR)
        printf("file type : Directory\n");
}
```

```
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(gedit:1742): Gtk-WARNING **: Theme parsing error: gtk.css:4003:66: Using one co
lor stop with linear-gradient() is deprecated.

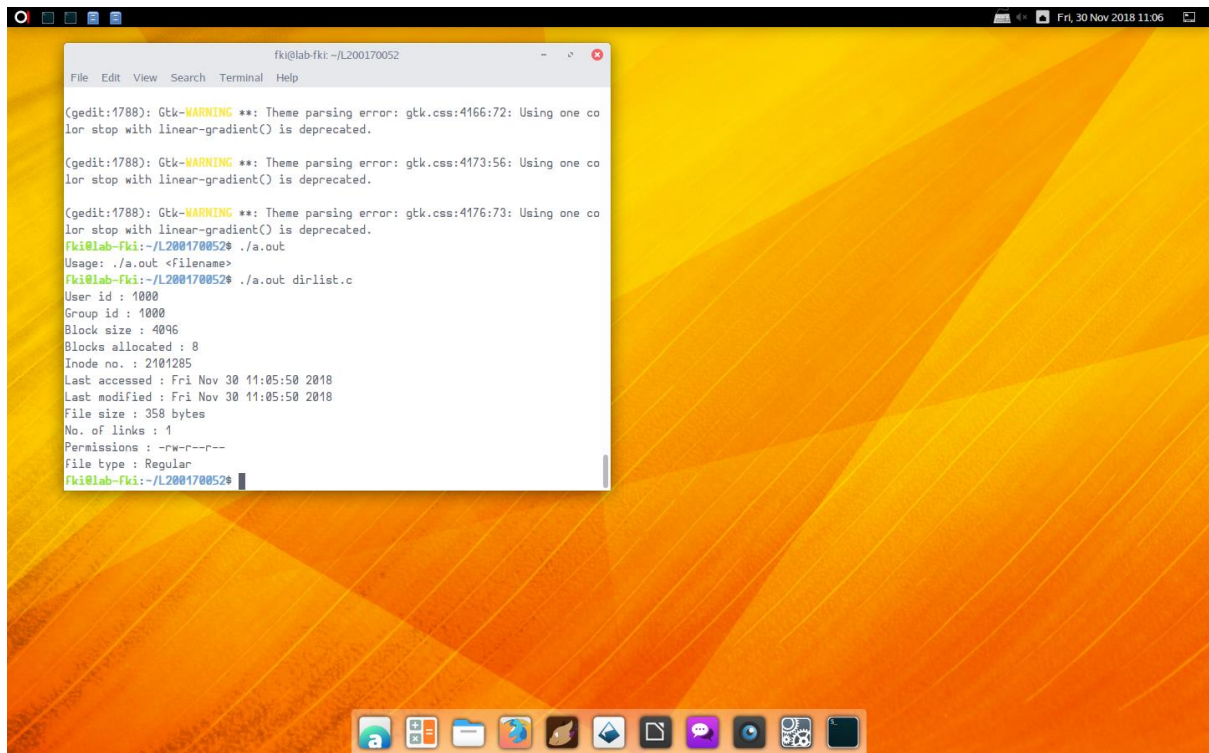
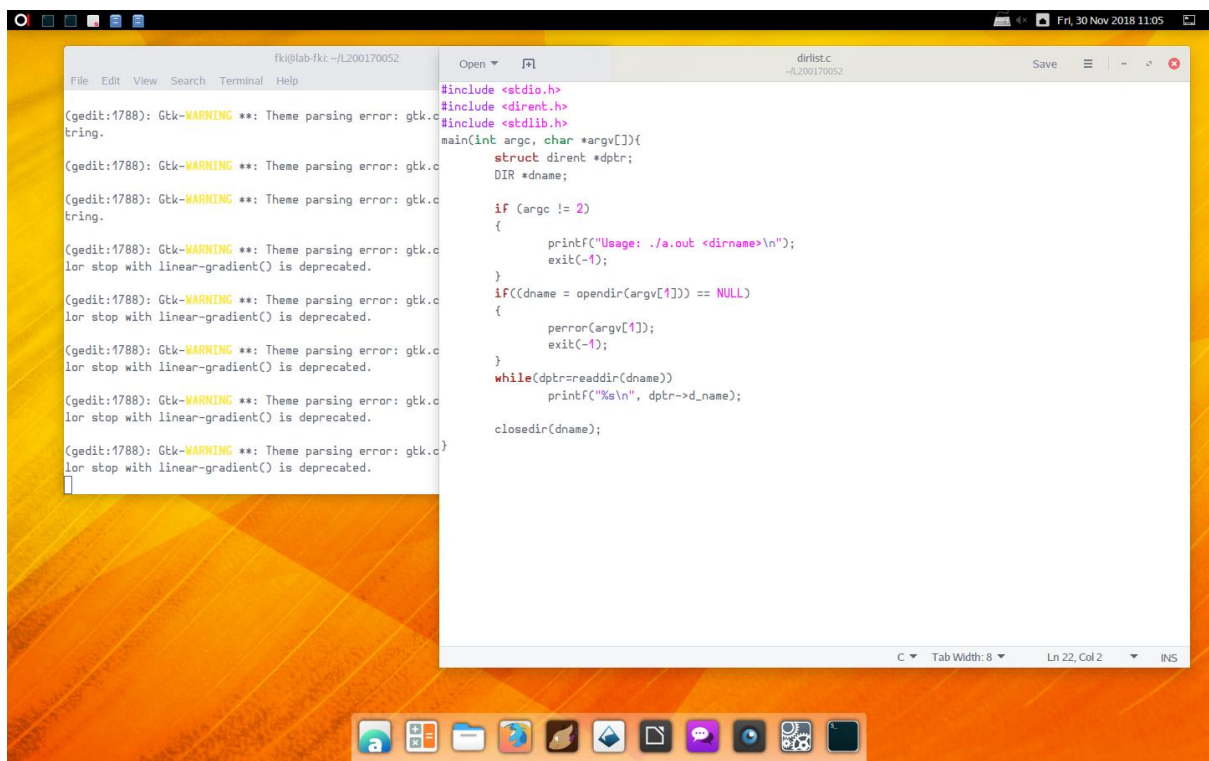
(gedit:1742): Gtk-WARNING **: Theme parsing error: gtk.css:4166:72: Using one co
lor stop with linear-gradient() is deprecated.

(gedit:1742): Gtk-WARNING **: Theme parsing error: gtk.css:4173:56: Using one co
lor stop with linear-gradient() is deprecated.

(gedit:1742): Gtk-WARNING **: Theme parsing error: gtk.css:4176:73: Using one co
lor stop with linear-gradient() is deprecated.
fki@lab-fki:~/L200170052$ ./a.out stat.c
User id : 1000
Group id : 1000
Block size : 4096
Blocks allocated : 8
Inode no. : 2101284
Last accessed : Fri Nov 30 10:59:44 2018
Last modified : Fri Nov 30 10:59:21 2018
File size : 1371 bytes
No. of links : 1
Permissions : -rw-r--r--
file type : Regular
fki@lab-fki:~/L200170052$
```

stat.c





dirlist.c