Praktikum Sistem Operasi

MODUL 8

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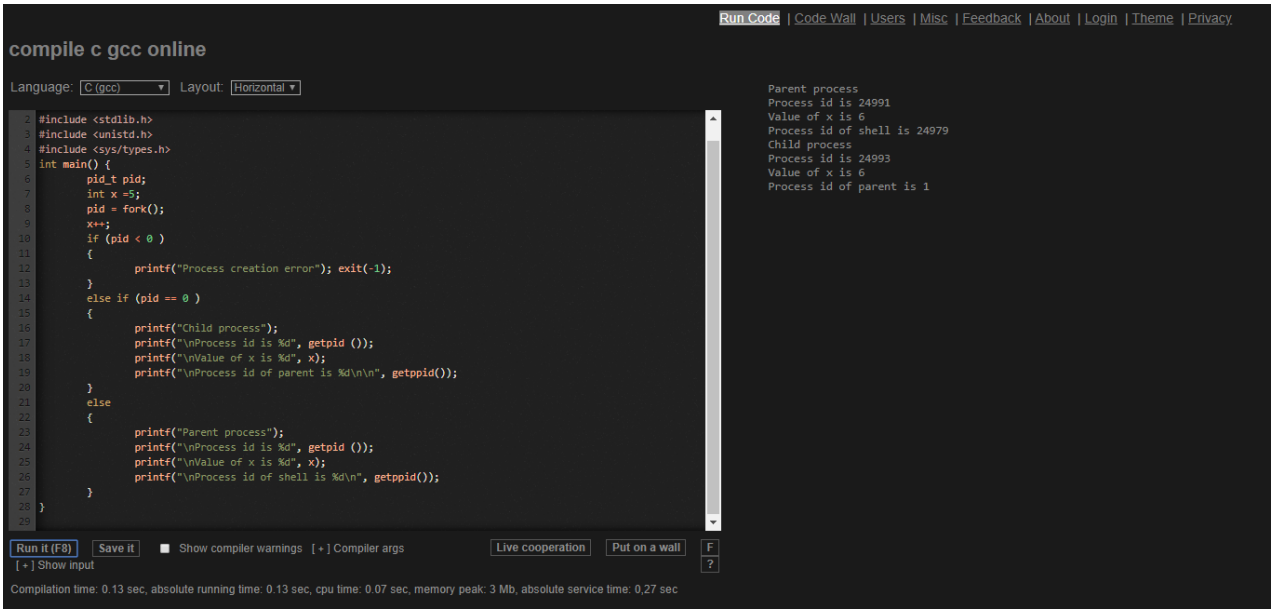
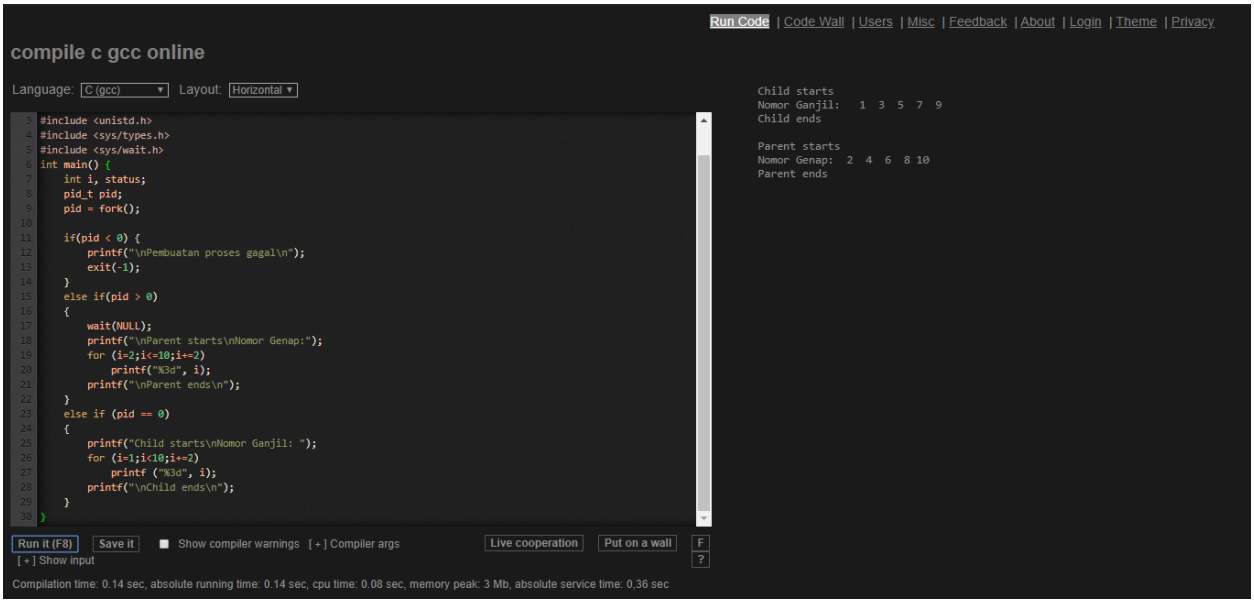
NIM : L200180002

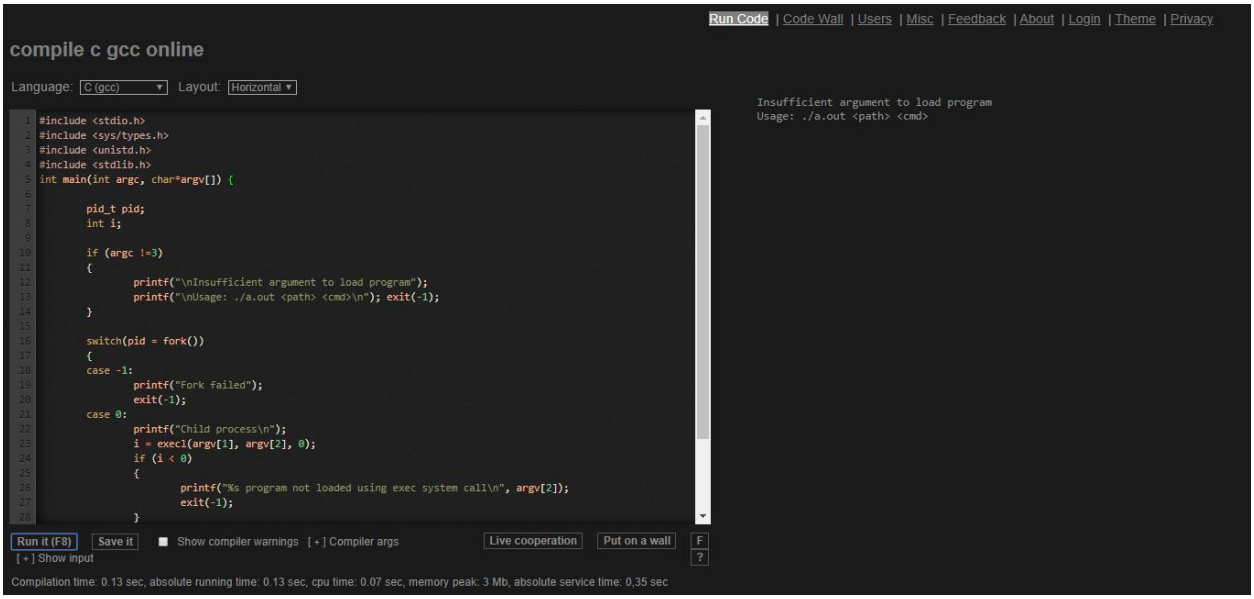
Fork.c



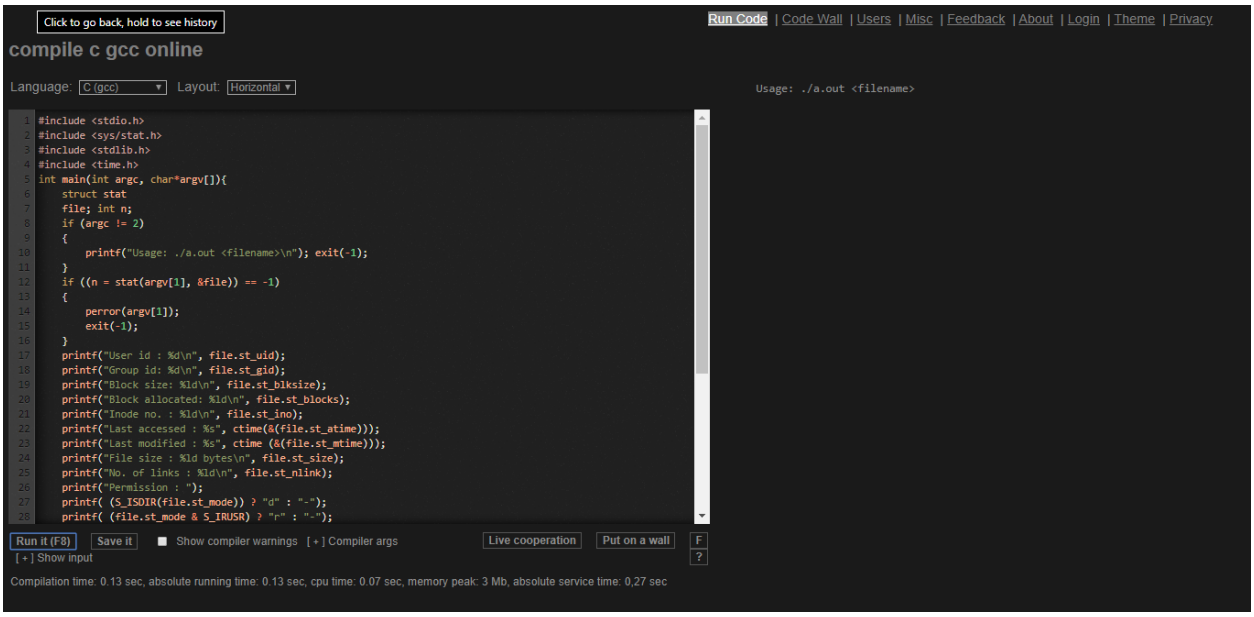
Wait.c



Exec.c


Run Code | Code Wall | Users | Misc | Feedback | About | Login | Theme | Privacy
compile c gcc online
Language: C (gcc) Layout: Horizontal
#include <stdio.h>
#include <sys/types.h>
#include <unistd.h>
#include <stdlib.h>
int main(int argc, char*argv[]) {
pid_t pid;
int i;
if (argc !=3)
{
printf("\nInsufficient argument to load program");
printf("\nUsage: ./a.out <path> <cmd>\n"); exit(-1);
}
switch(pid = fork())
{
case -1:
printf("Fork failed");
exit(-1);
case 0:
printf("Child process\n");
i = execl(argv[1], argv[2], 0);
if (i < 0)
{
printf("%s program not loaded using exec system call\n", argv[2]);
exit(-1);
}
Insufficient argument to load program
Usage: ./a.out <path> <cmd>
Run it (F8) Save it Show compiler warnings [+] Compiler args Live cooperation Put on a wall
[+] Show input
Compilation time: 0.13 sec, absolute running time: 0.13 sec, cpu time: 0.07 sec, memory peak: 3 Mb, absolute service time: 0,35 sec

Stat.c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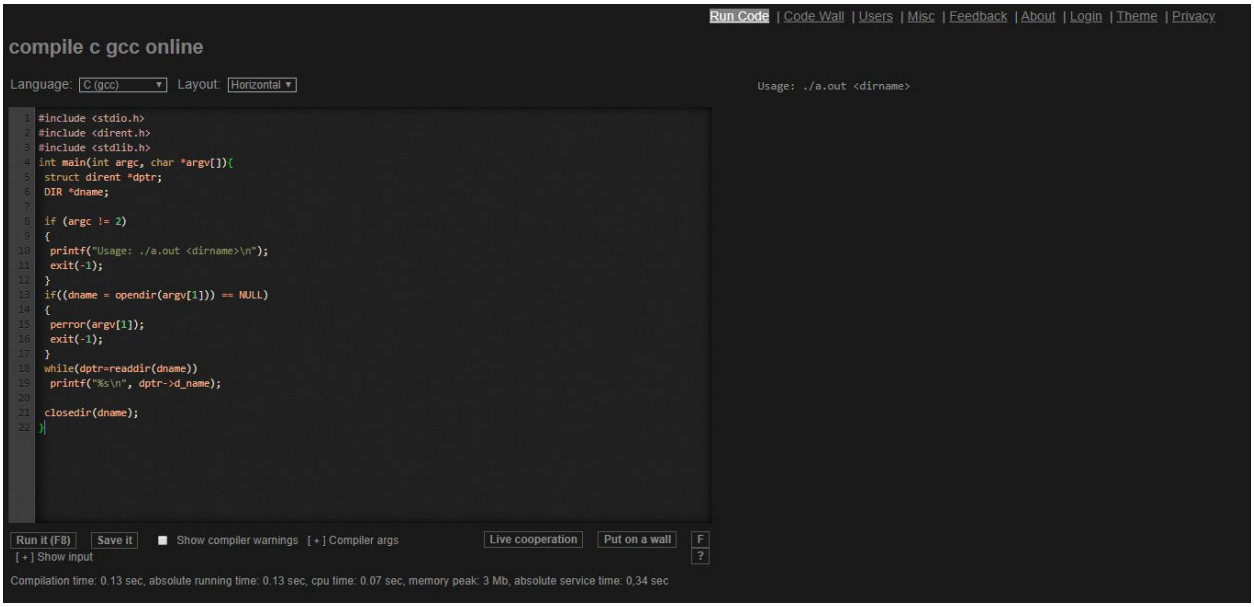
compile c gcc online
Language: C (gcc) Layout: Horizontal
#include <stdio.h>
#include <sys/stat.h>
#include <stdlib.h>
#include <time.h>
int main(int argc, char*argv[]){
struct stat
file; int n;
if (argc != 2)
{
printf("Usage: ./a.out <filename>\n"); exit(-1);
}
if ((n = stat(argv[1], &file)) == -1)
{
perror(argv[1]);
exit(-1);
}
printf("User id : %d\n", file.st_uid);
printf("Group id: %d\n", file.st_gid);
printf("Block size: %ld\n", file.st_blksize);
printf("Block allocated: %ld\n", file.st_blocks);
printf("Inode no. : %ld\n", file.st_ino);
printf("Last accessed : %s", ctime(&(file.st_atime)));
printf("Last modified : %s", ctime (&(file.st_mtime)));
printf("File size : %ld bytes\n", file.st_size);
printf("No. of links : %ld\n", file.st_nlink);
printf("Permission : ");
printf((S_ISDIR(file.st_mode)) ? "d" : "-");
printf((file.st_mode & S_IRUSR) ? "r" : "-");
Usage: ./a.out <filename>
Run it (F8) Save it Show compiler warnings [+] Compiler args Live cooperation Put on a wall
[+] Show input
Compilation time: 0.13 sec, absolute running time: 0.13 sec, cpu time: 0.07 sec, memory peak: 3 Mb, absolute service time: 0,27 sec

Dirlist.c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compile c gcc online
Language: C (gcc)
Layout: Horizontal
Usage: ./a.out <dirname>
#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);
}
Run it (F8)
Save it
Show compiler warnings
[+] Compiler args
Live cooperation
Put on a wall
F
?
[+] Show input
Compilation time: 0.13 sec, absolute running time: 0.13 sec, cpu time: 0.07 sec, memory peak: 3 Mb, absolute service time: 0,34 sec