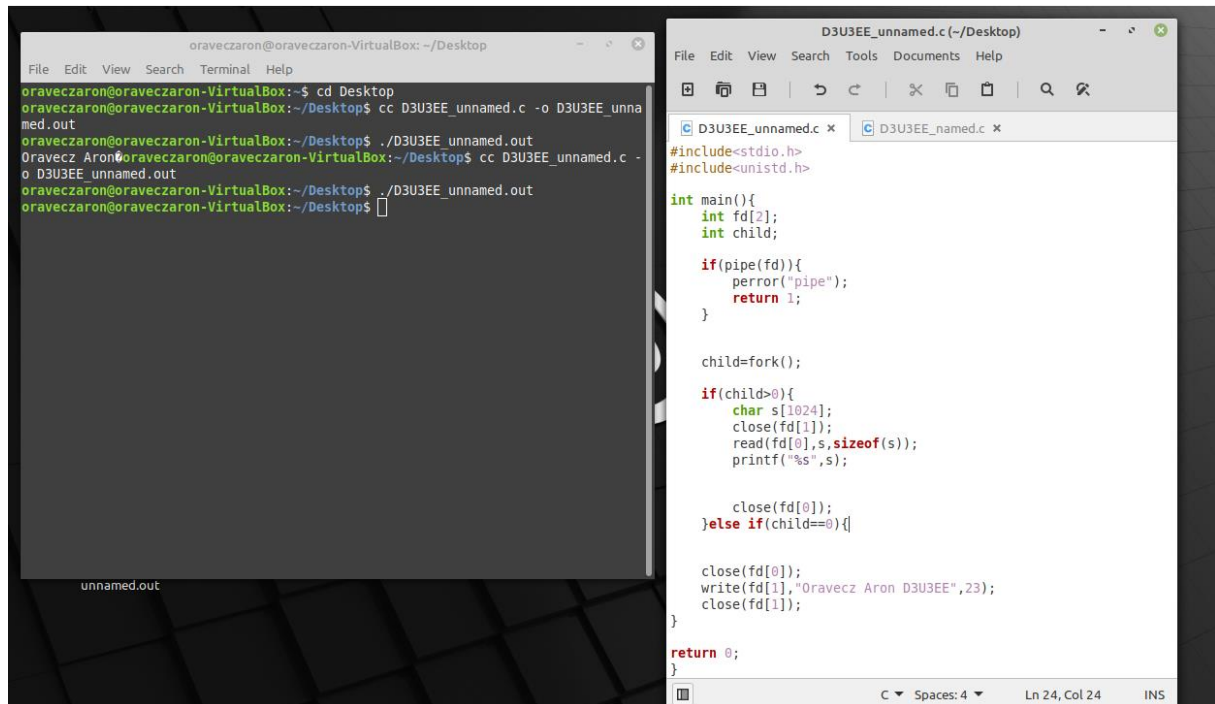


1es feladat



The screenshot shows a terminal window on the left and a code editor on the right. The terminal window displays the following commands and output:

```
oraveczaron@oraveczaron-VirtualBox: ~/Desktop
oraveczaron@oraveczaron-VirtualBox:~$ cd Desktop
oraveczaron@oraveczaron-VirtualBox:~/Desktop$ cc D3U3EE_unnamed.c -o D3U3EE_unnamed.out
oraveczaron@oraveczaron-VirtualBox:~/Desktop$ ./D3U3EE_unnamed.out
oraveczaron@oraveczaron-VirtualBox:~/Desktop$ cc D3U3EE_unnamed.c -o D3U3EE_unnamed.out
oraveczaron@oraveczaron-VirtualBox:~/Desktop$ ./D3U3EE_unnamed.out
oraveczaron@oraveczaron-VirtualBox:~/Desktop$
```

The code editor shows the source code of `D3U3EE_unnamed.c`:

```
#include<stdio.h>
#include<unistd.h>

int main(){
    int fd[2];
    int child;

    if(pipe(fd)){
        perror("pipe");
        return 1;
    }

    child=fork();

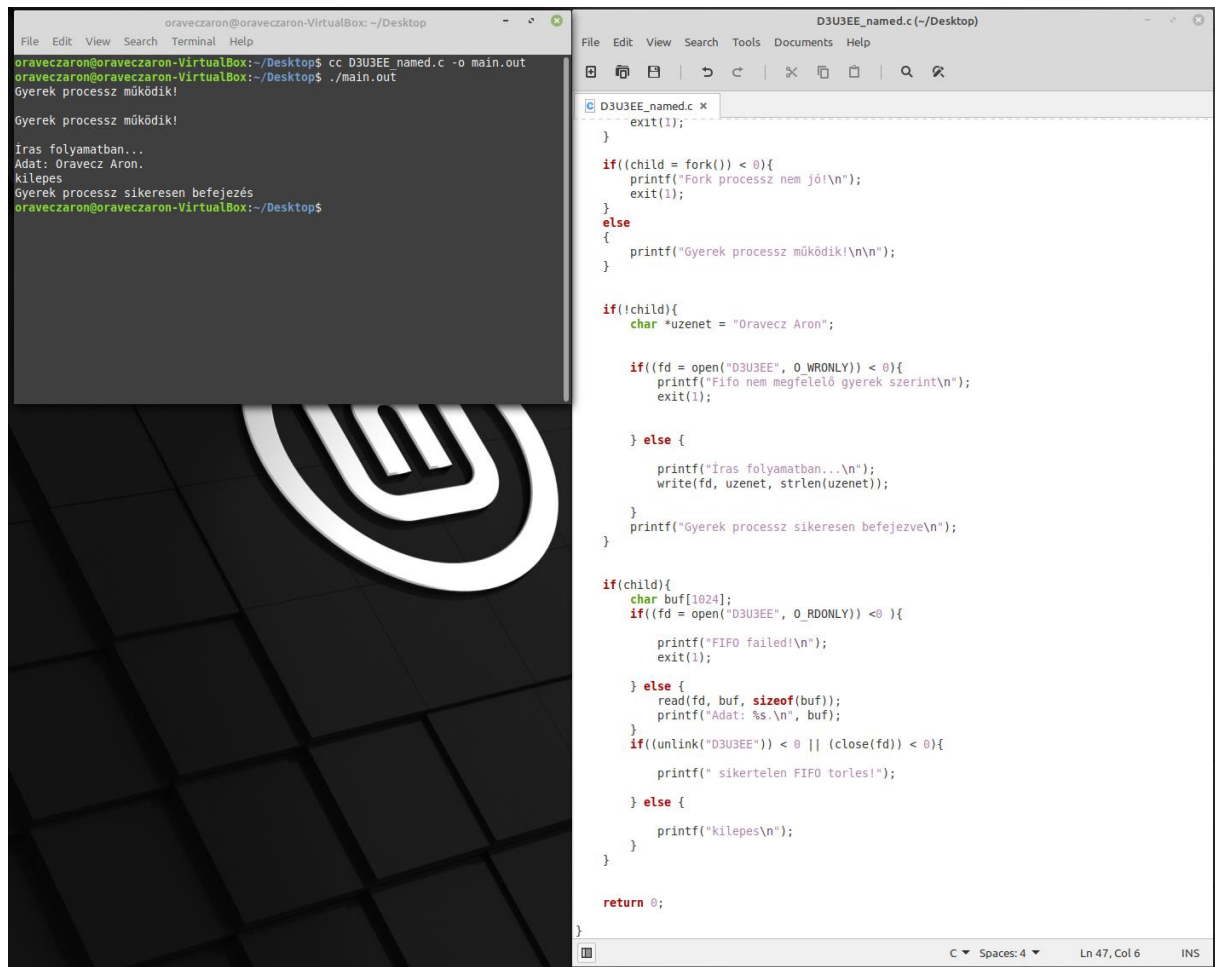
    if(child>0){
        char s[1024];
        close(fd[1]);
        read(fd[0],s,sizeof(s));
        printf("%s",s);

        close(fd[0]);
    }else if(child==0){

        close(fd[0]);
        write(fd[1],"Oravecz Aron D3U3EE",23);
        close(fd[1]);
    }

    return 0;
}
```

2es feladat



The screenshot shows a terminal window on the left and a code editor on the right. The terminal window displays the following commands and output:

```
oraveczaron@oraveczaron-VirtualBox: ~/Desktop
oraveczaron@oraveczaron-VirtualBox:~/Desktop$ cc D3U3EE_named.c -o main.out
oraveczaron@oraveczaron-VirtualBox:~/Desktop$ ./main.out
Gyerek processz működik!

Gyerek processz működik!

Iras folyamatban...
Adat: Oravecz Aron.
Kilepes
Gyerek processz sikeresen befejezes
oraveczaron@oraveczaron-VirtualBox:~/Desktop$
```

The code editor shows the source code of `D3U3EE_named.c`:

```
exit(1);
}

if((child = fork()) < 0){
    printf("Fork processz nem jó!\n");
    exit(1);
}
else
{
    printf("Gyerek processz működik!\n\n");
}

if(!child){
    char *uzenet = "Oravecz Aron";

    if((fd = open("D3U3EE", O_WRONLY)) < 0){
        printf("Fifo nem megfelelő gyerek szerint\n");
        exit(1);
    }
    else {
        printf("Iras folyamatban...\n");
        write(fd, uzenet, strlen(uzenet));
    }
    printf("Gyerek processz sikeresen befejeze\n");
}

if(child){
    char buf[1024];
    if((fd = open("D3U3EE", O_RDONLY)) < 0){
        printf("FIFO failed!\n");
        exit(1);
    }
    else {
        read(fd, buf, sizeof(buf));
        printf("Adat: %s.\n", buf);
    }
    if((unlink("D3U3EE")) < 0 || (close(fd)) < 0){
        printf("sikertelen FIFO torles!");
    }
    else {
        printf("kilepes\n");
    }
}

return 0;
}
```