```
// Adding an example system call with a pointer.
//We do not give the header files, so you should find them. We assume that
you have add x structure before writing the function codes of the system
call. We assume that you have added the necessary modules. You should add
them in a right way for the proper function of the system call.
asmlinkage int sys xcall(struct x *userspace pointer) {
// x is predefined. x is only an example.
// user space pointer represents the address of the structure in the user
space.
cli(); // close all interrupts in the kernel.
struct x kernelspacestructure; // create a kernel space structure of x in the
kernel module.
copy from user(&kernelspacestructure, userspace pointer, sizeof(struct x));
// this copies the contents of the structure of the user space to structure
in kernel space
kernelspacestructure.fieldofx = refferedpointerunderkernel->field;
// ...
copy to user(userspace pointer,&kernelspacestructure,sizeof(struct x));
// this copies the contents of the structure of the kernel space to structure
in user space
sti(); // start all interrupts in the kernel.
return 0;
}
```

```
// The code which calls system call
...
...
//We do not give the header files, so you should find them. We assume that
you have to add x structure before writing the function codes of the system
call both in user space and kernel space. You should add them in the right
way for the proper function.
main(){
struct x userdata;
...
xcall(&userdata);
...
printf("%d\n", userdata.herhangixalanı);
return 0;
```

}