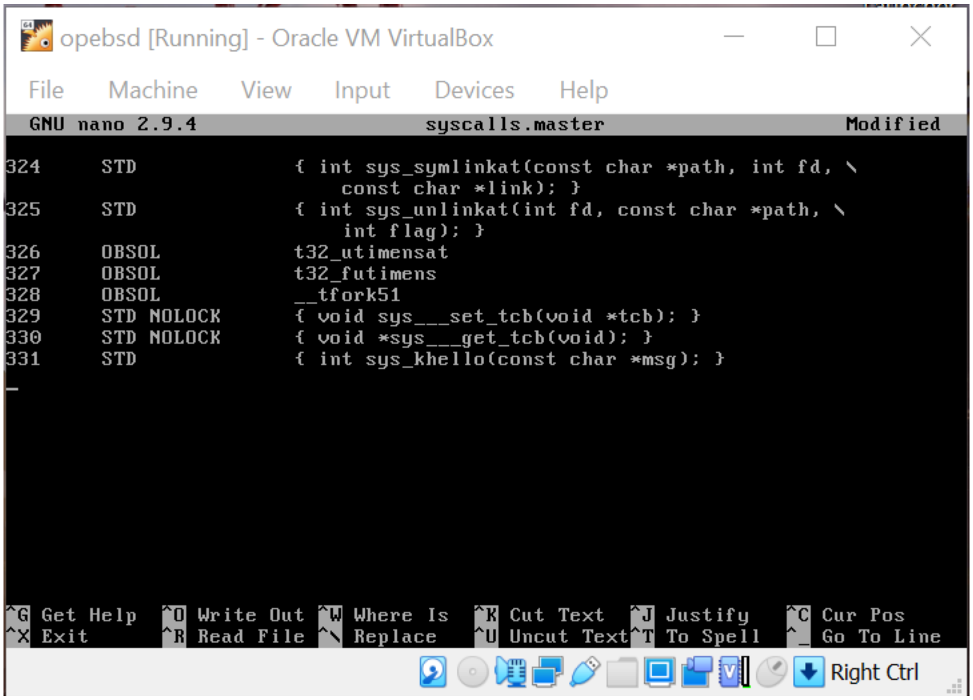
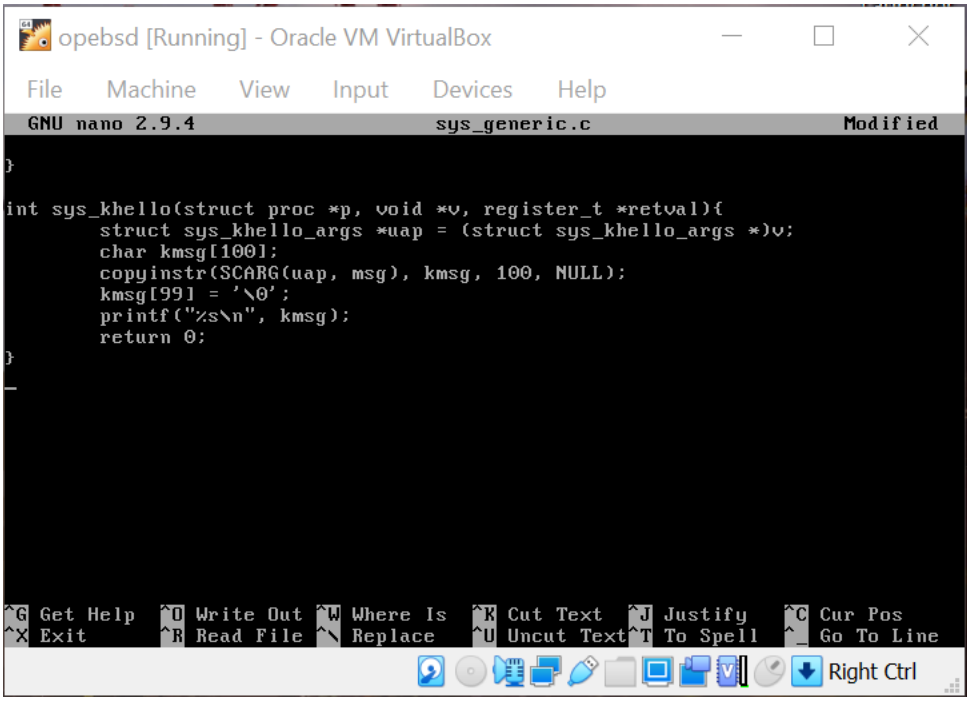
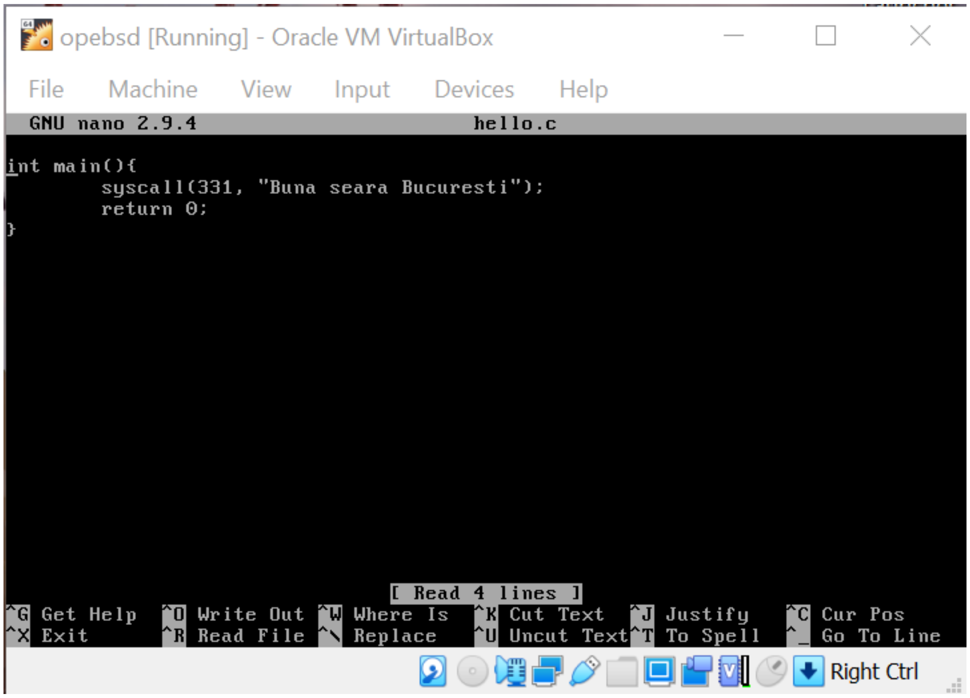
Exercitiul 2



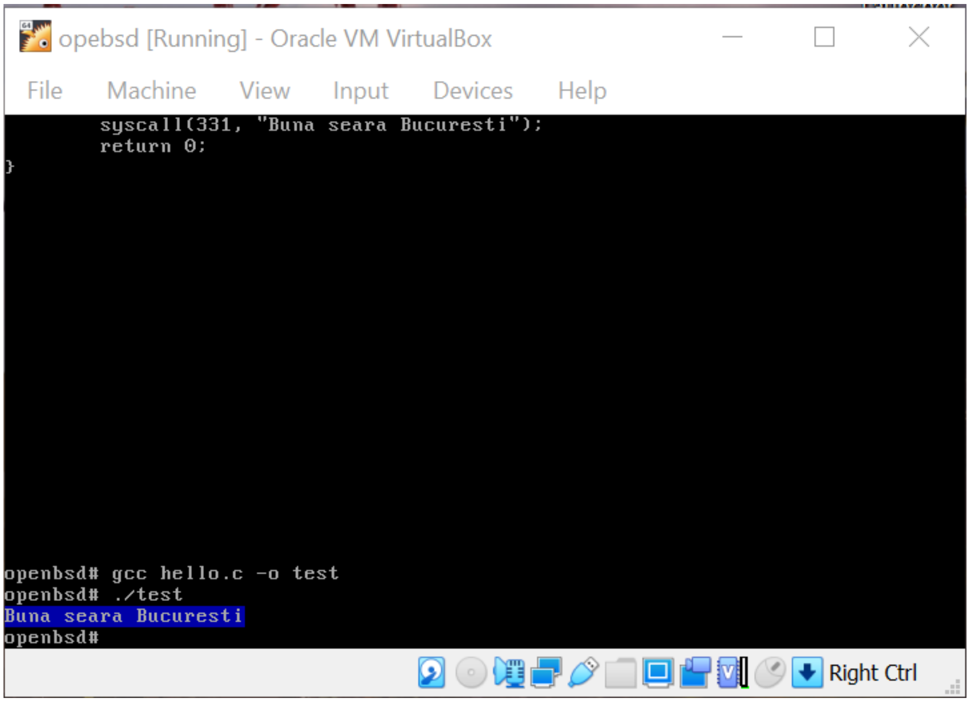
```
  GNU nano 2.9.4                    syscalls.master                    Modified

324     STD             { int sys_symlinkat(const char *path, int fd, \
                            const char *link); }
325     STD             { int sys_unlinkat(int fd, const char *path, \
                            int flag); }
326     OBSOL           t32_utimensat
327     OBSOL           t32_futimens
328     OBSOL           __tfork51
329     STD NOLOCK      { void sys___set_tcb(void *tcb); }
330     STD NOLOCK      { void *sys___get_tcb(void); }
331     STD             { int sys_khello(const char *msg); }
_

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text^T To Spell  ^_ Go To Line
```



```
  GNU nano 2.9.4                    sys_generic.c                      Modified

}

int sys_khello(struct proc *p, void *v, register_t *retval){
        struct sys_khello_args *uap = (struct sys_khello_args *)v;
        char kmsg[100];
        copyinstr(SCARG(uap, msg), kmsg, 100, NULL);
        kmsg[99] = '\0';
        printf("%s\n", kmsg);
        return 0;
}
_

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text^T To Spell  ^_ Go To Line
```

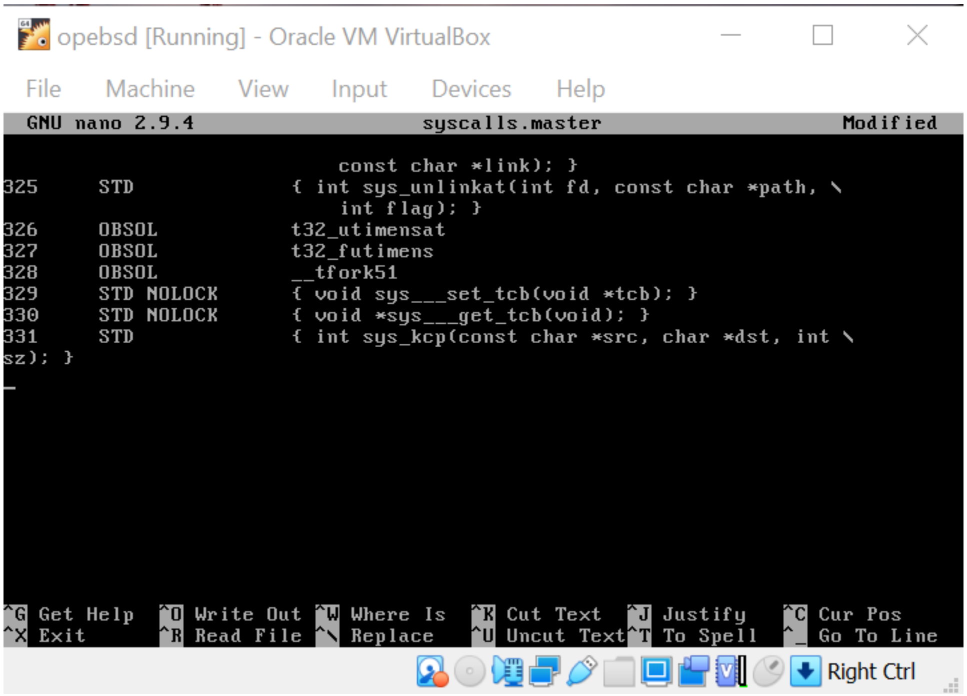


```
  GNU nano 2.9.4                    hello.c

int main(){
        syscall(331, "Buna seara Bucuresti");
        return 0;
}

                         [ Read 4 lines ]
^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text^T To Spell  ^_ Go To Line
```

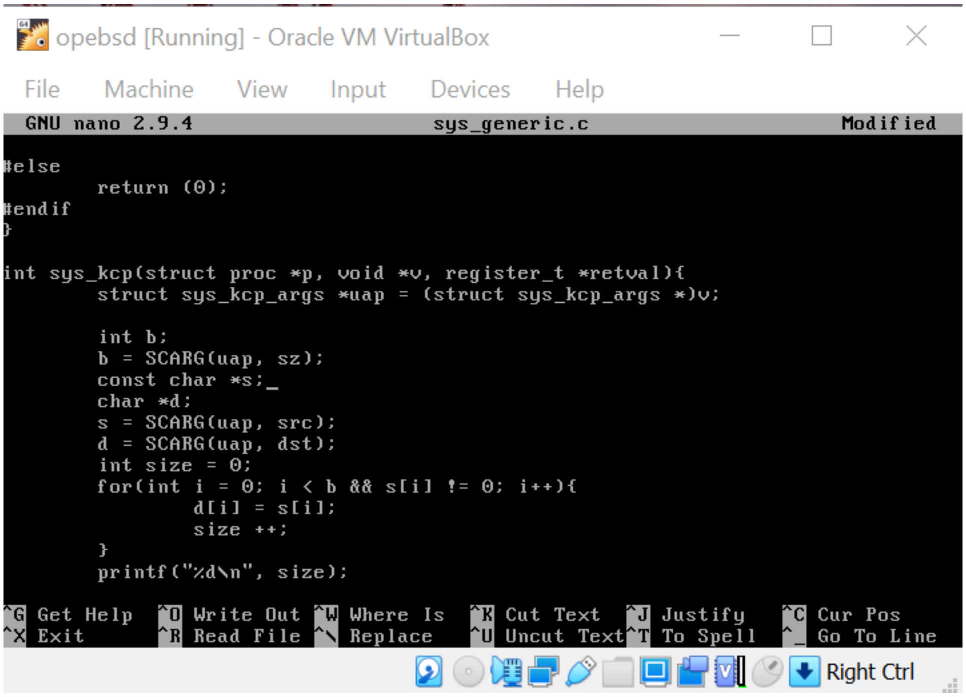


```
        syscall(331, "Buna seara Bucuresti");
        return 0;
}

openbsd# gcc hello.c -o test
openbsd# ./test
Buna seara Bucuresti
openbsd#
```

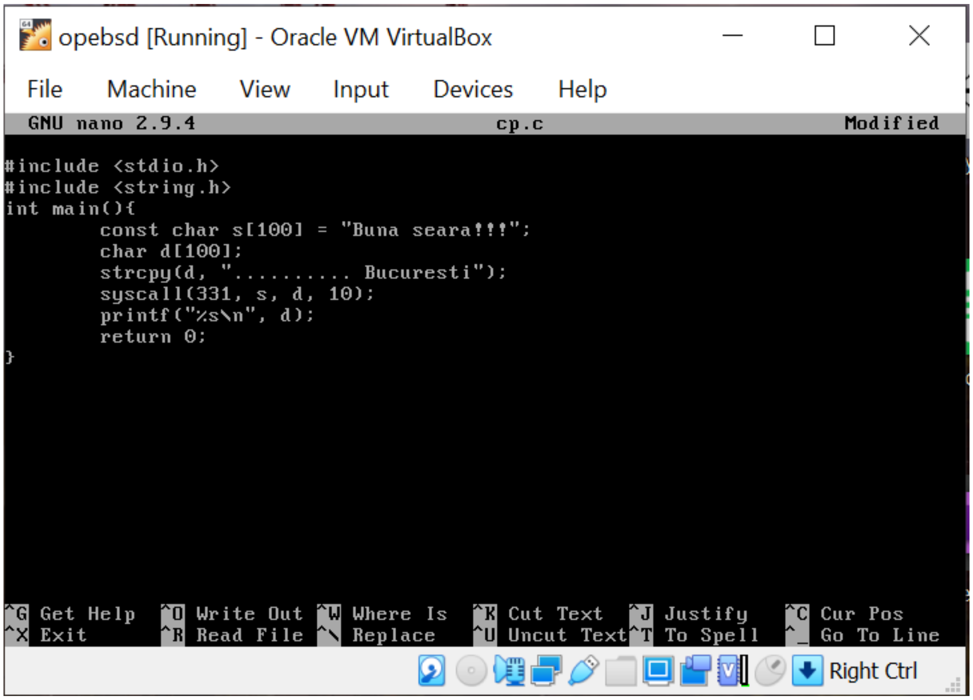
Exercitiul 3



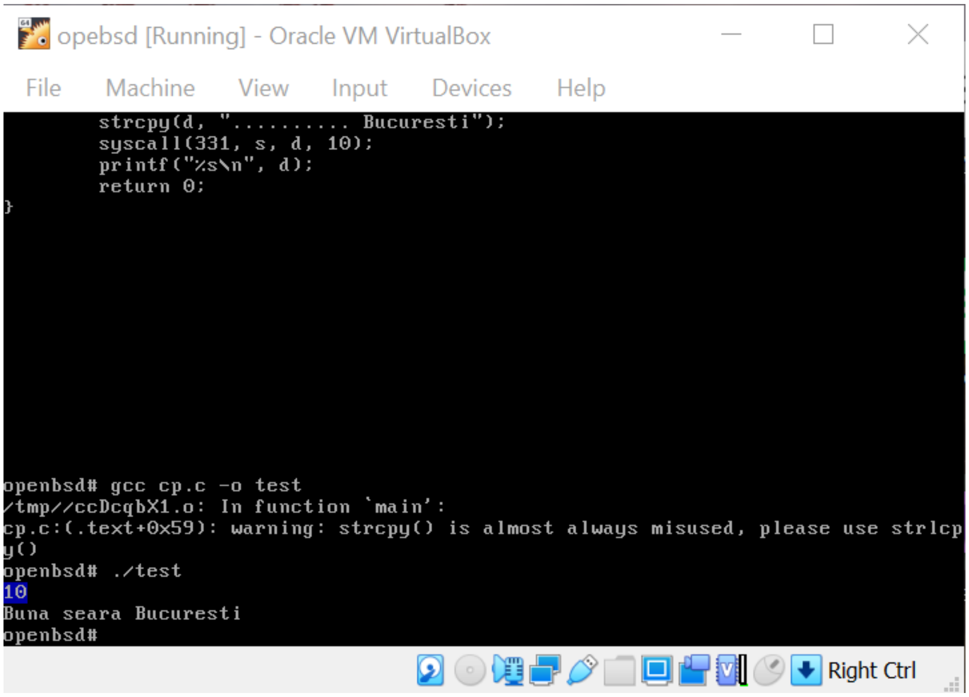
```
                            const char *link); }
325     STD                { int sys_unlinkat(int fd, const char *path, \
                            int flag); }
326     OBSOL              t32_utimensat
327     OBSOL              t32_futimens
328     OBSOL              __tfork51
329     STD NOLOCK         { void sys___set_tcb(void *tcb); }
330     STD NOLOCK         { void *sys___get_tcb(void); }
331     STD                { int sys_kcp(const char *src, char *dst, int \
sz); }
```



```
#else
        return (0);
#endif
}

int sys_kcp(struct proc *p, void *v, register_t *retval){
        struct sys_kcp_args *uap = (struct sys_kcp_args *)v;

        int b;
        b = SCARG(uap, sz);
        const char *s;
        char *d;
        s = SCARG(uap, src);
        d = SCARG(uap, dst);
        int size = 0;
        for(int i = 0; i < b && s[i] != 0; i++){
                d[i] = s[i];
                size ++;
        }
        printf("%d\n", size);
```



```
#include <stdio.h>
#include <string.h>
int main(){
        const char s[100] = "Buna seara!!!";
        char d[100];
        strcpy(d, "......... Bucuresti");
        syscall(331, s, d, 10);
        printf("%s\n", d);
        return 0;
}
```



```
        strcpy(d, "......... Bucuresti");
        syscall(331, s, d, 10);
        printf("%s\n", d);
        return 0;
}




openbsd# gcc cp.c -o test
/tmp//ccDcqbX1.o: In function `main':
cp.c:(.text+0x59): warning: strcpy() is almost always misused, please use strlcp
y()
openbsd# ./test
10
Buna seara Bucuresti
openbsd#
```