

# Командная оболочка Midnight Commander

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29 марта, 2024, Москва, Россия

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# Цели и задачи работы

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## Цель лабораторной работы

Ознакомление с файловой системой Linux, её структурой, именами и содержанием каталогов. Приобретение практических навыков по применению команд для работы с файлами и каталогами, по управлению процессами, по проверке использования диска и обслуживанию файловой системы.

# Задачи лабораторной работы

- 1 Изучить возможности Midnight Commander
- 2 Изучить редактор Midnight Commander

# **Процесс выполнения лабораторной работы**

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# Работа с Midnight Commander

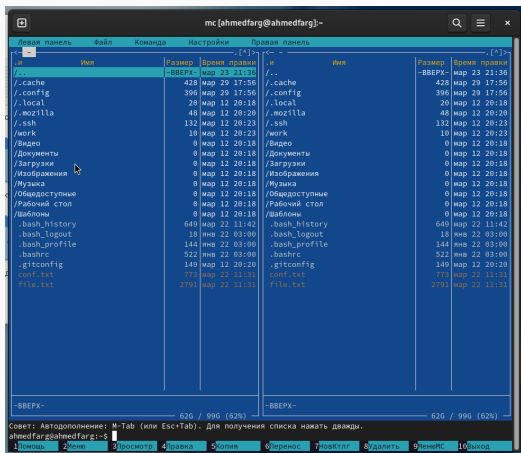


Рис. 1: Запуск mc

# Работа с Midnight Commander

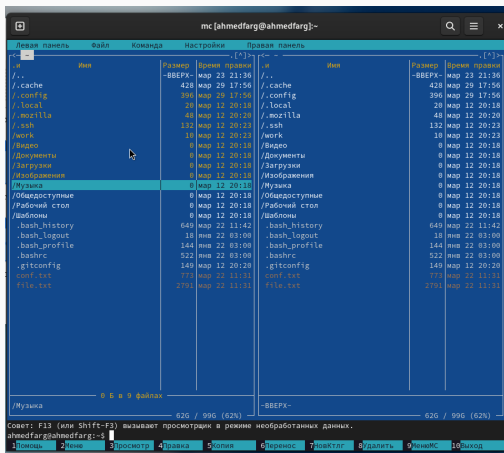


Рис. 2: Выделение

# Работа с Midnight Commander

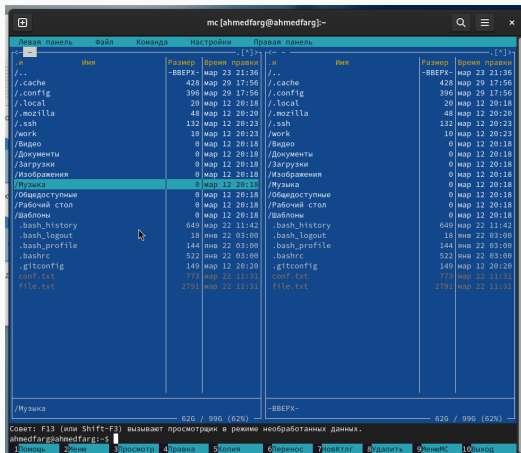


Рис. 3: Отмена



# Работа с Midnight Commander

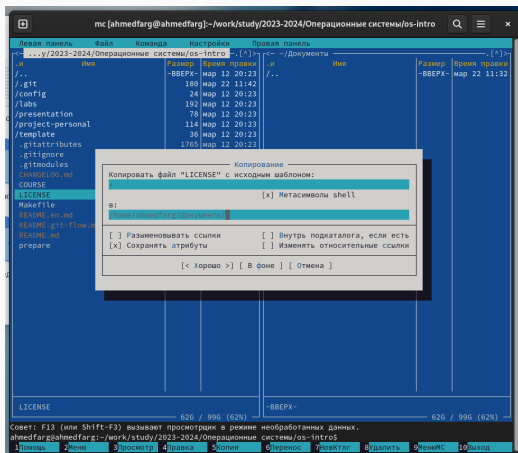


Рис. 4: Копирование

# Работа с Midnight Commander

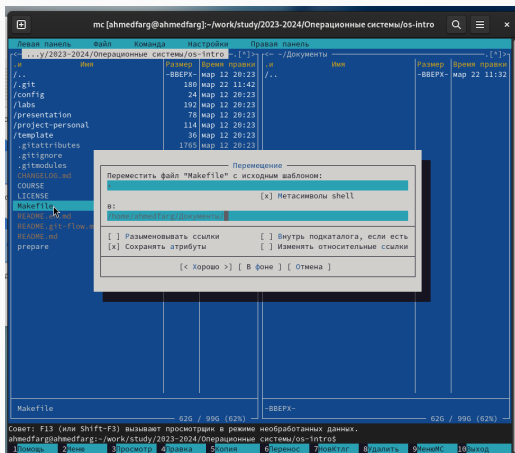


Рис. 5: Перемещение

# Работа с Midnight Commander

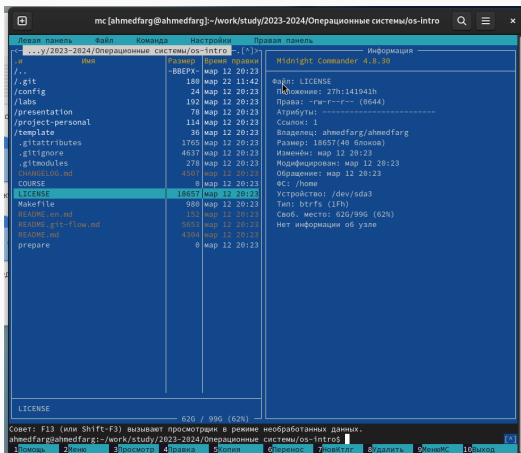


Рис. 6: Информация

# Работа с Midnight Commander

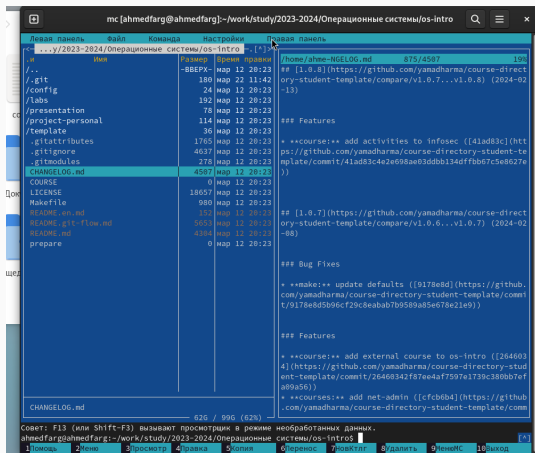


Рис. 7: Быстрый просмотр

# Работа с Midnight Commander

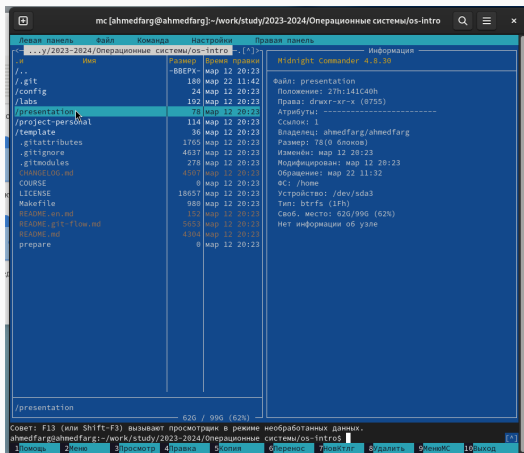


Рис. 8: Информация

# Работа с Midnight Commander

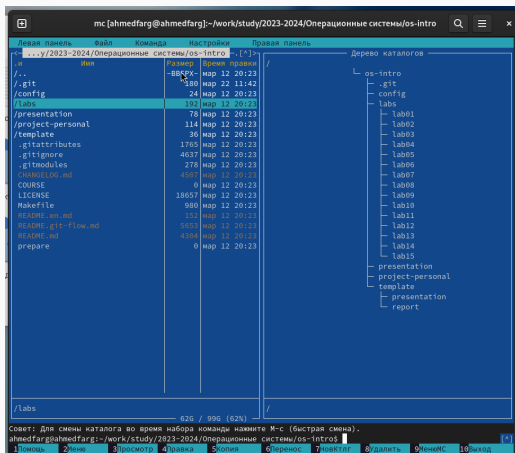


Рис. 9: Дерево каталогов

# Работа с Midnight Commander

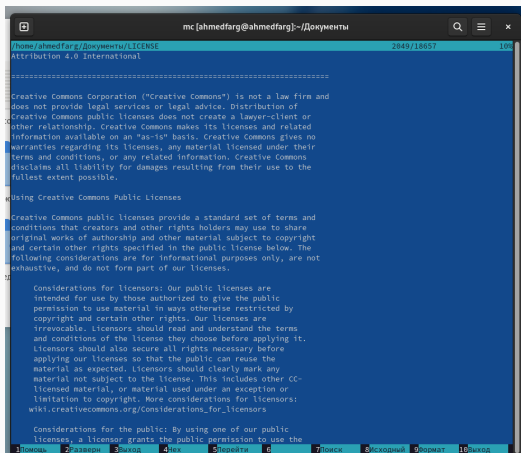
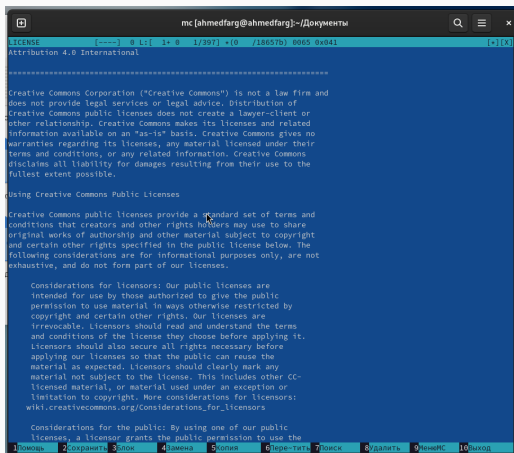


Рис. 10: Просмотр содержимого текстового файла

# Работа с Midnight Commander



**Рис. 11:** Отредактируем содержимое текстового файла без сохранения результатов



# Работа с Midnight Commander

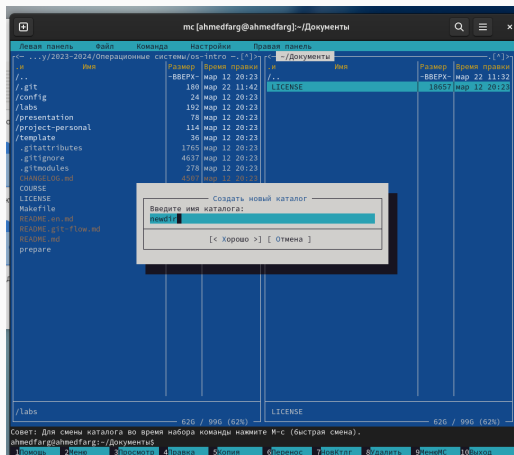


Рис. 12: Создание каталога

# Работа с Midnight Commander

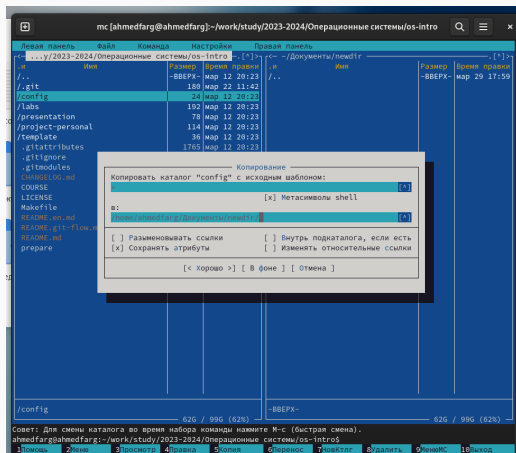


Рис. 13: Копирование в файлов в созданный каталог

# Работа с Midnight Commander

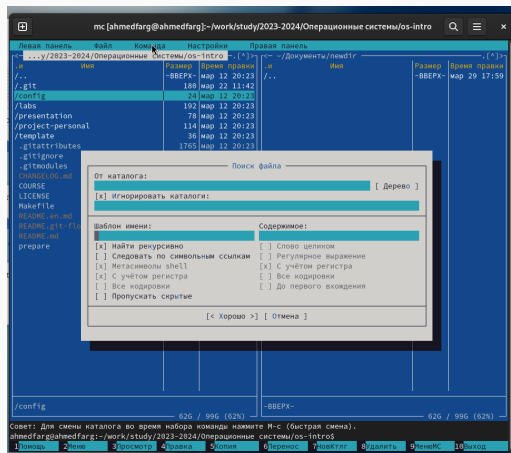


Рис. 14: Поиск файлов

# Работа с Midnight Commander

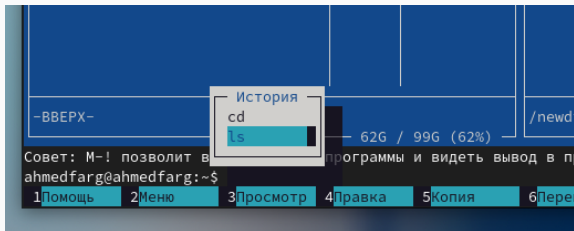


Рис. 15: История команд

# Работа с Midnight Commander

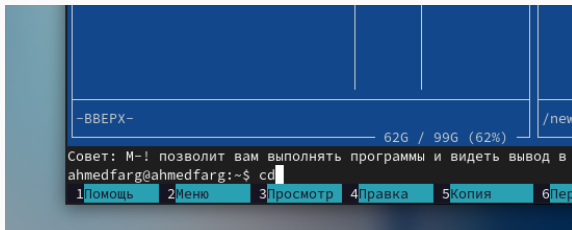


Рис. 16: Переход в домашний каталог

# Работа с Midnight Commander



```
mc.ext.ini      [-----] 0 L: 1+ 0 1/1136 *0 /26909b/0035 0x023  [.*|X]
Midnight Commander 4.8 extension file
#
# Warning: The structure of this file has been completely changed with the version 4.0!
#
# All lines starting with # or empty lines are ignored.
#
# IMPORTANT: mc scans this file only upon first use or after editing it using the
# mc "Edit extension file" command (F8-c-e). If you edit this file in any other way
# while mc is running, you will need to press F8-c-e and exit the editor for your
# changes to take effect, or exit mc and start it again.
#
# Section name can be anything with following exceptions:
#   there are two reserved section names:
#       mc.ext.ini
#       Default
#   special name pattern:
#       include/xxxx
#   See below for more details.
#
# Section [mc.ext.ini] is mandatory. It contains file metadata.
# "Version" parameter is mandatory. It contains the file format version.
#
# Section [Default] is optional. It is applied only if no other match was found.
#
# Sections like [include/xxxx] can be referenced as "include=xxxx" from other sections.
# Section [include/xxxx] can be located as before as after sections that point to it.
#
# Sections are processed from top to bottom, thus the order is important.
# If there are more than one sections with the same name in this file, the first
# section will be used.
#
# [Default] should be a catch-all action and come last.
#
```

Рис. 17: Просмотр файла расширений

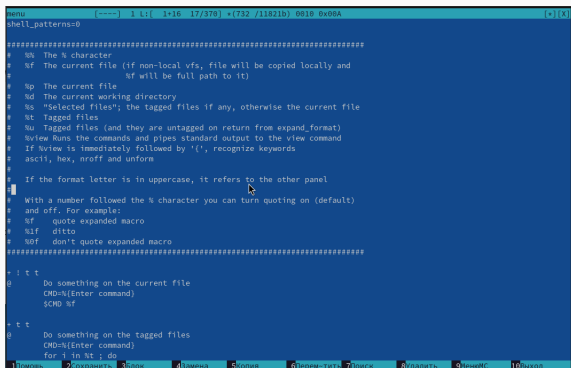


Рис. 18: Просмотр файла меню

# Работа с Midnight Commander



Рис. 19: Конфигурация



# Работа с Midnight Commander



Рис. 20: Внешний вид

# Работа с Midnight Commander



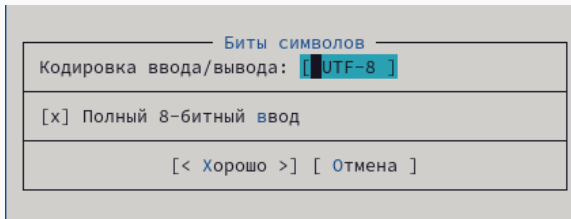
Рис. 21: Настройки панелей



Рис. 22: Подтверждение



**Рис. 23:** Оформление



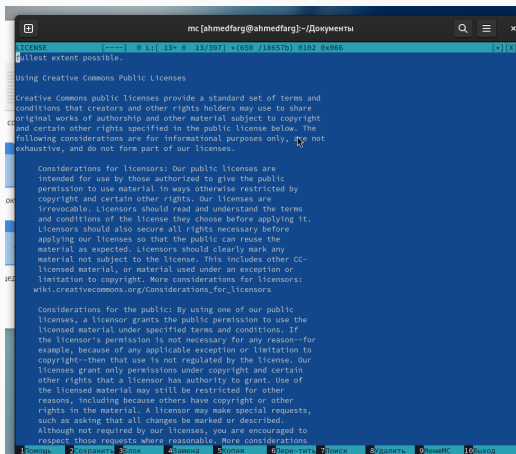
**Рис. 24:** Кодировка символов

# Работа с Midnight Commander



Рис. 25: Распознавание клавиш

# Работа с редактором Midnight Commander



The screenshot shows the Midnight Commander (mc) interface. The title bar indicates the current directory is ~/Документы. The main window displays a text file with the following content:

```
LICENSE [-----] 0 L: 13+ 0 13/307) +(650 /18657b) 0102 0x066 (*)[X]
fullest extent possible.

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rights in the material. A licensor may make special requests,
such as asking that all changes be marked or described.
Although not required by our licenses, you are encouraged to
respect those requests where reasonable. More considerations
```

At the bottom of the window, a row of 10 numbered buttons is visible: 1.домой, 2.справка, 3.завод, 4.назад, 5.копия, 6.пере-тиг, 7.повск, 8./давить, 9.менюНС, 10.выход.

Рис. 26: Файл с текстом

# Работа с редактором Midnight Commander

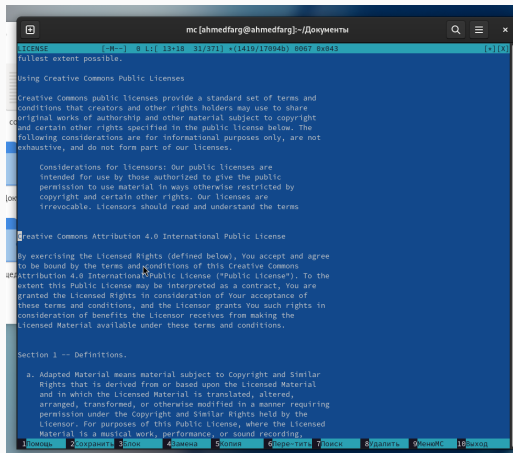


Рис. 27: Файл с текстом



# Работа с редактором Midnight Commander

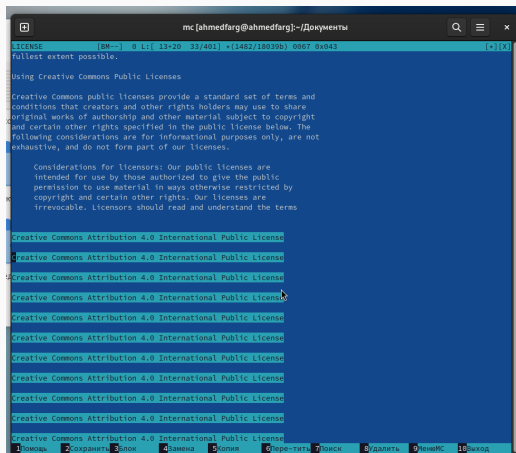


Рис. 28: Копирование фрагмента

# Работа с редактором Midnight Commander

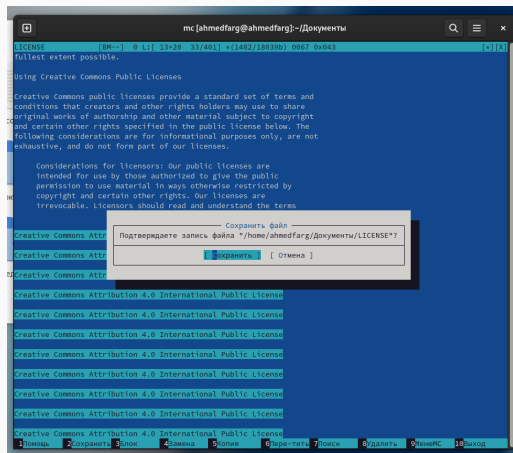


Рис. 29: Сохранение

# Работа с редактором Midnight Commander

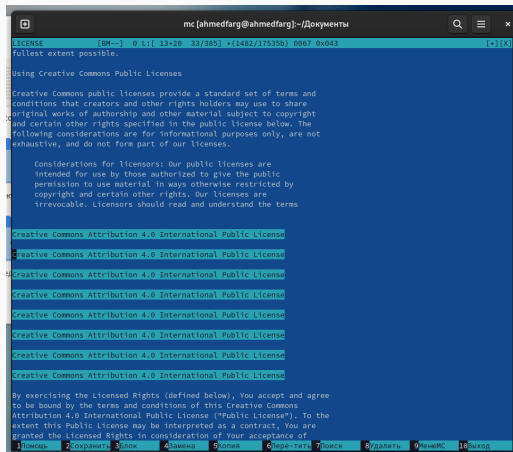


Рис. 30: Отмена

# Работа с редактором Midnight Commander

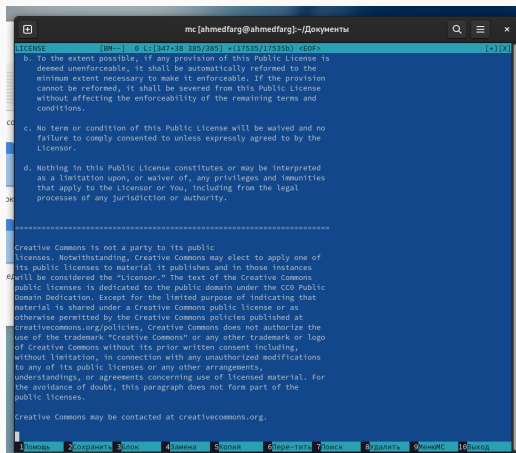
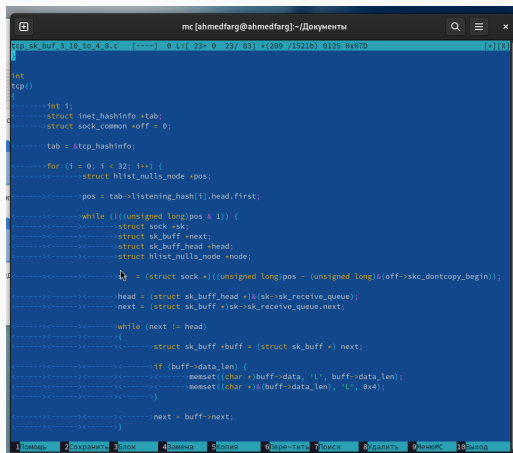


Рис. 31: Переход в конец файла



# Работа с редактором Midnight Commander



```
mc [ahmedfarg@ahmedfarg]:~/Документы
tcp_sk_buf_3.10.to.4.8.c  [----]  0 L: ( 23+ 0  23/ 83) +(209 /1521b) 0125 0x070  [•] [X]

int
tcp()
{
    int i;
    struct inet_hashinfo *tab;
    struct sock_common *off = 0;

    tab = &tcp_hashinfo;

    for (i = 0; i < 32; i++) {
        struct hlist_nulls_node *pos;

        pos = tab->listening_hash[i].head.first;

        while (((unsigned long)pos & 1)) {
            struct sock *sk;
            struct sk_buff *next;
            struct sk_buff_head *head;
            struct hlist_nulls_node *node;

            sk = (struct sock *)((unsigned long)pos - (unsigned long)&(off->sck_dontcopy_begin));

            head = (struct sk_buff_head *)&(sk->sk_receive_queue);
            next = (struct sk_buff *)sk->sk_receive_queue.next;

            while (next != head) {
                struct sk_buff *buff = (struct sk_buff *) next;

                if (buff->data_len) {
                    memset((char *)buff->data, 'L', buff->data_len);
                    memset((char *)&(buff->data_len), 'L', 0x4);
                }

                next = buff->next;
            }
        }
    }
}
```

Рис. 33: Файл с программой

# Работа с редактором Midnight Commander

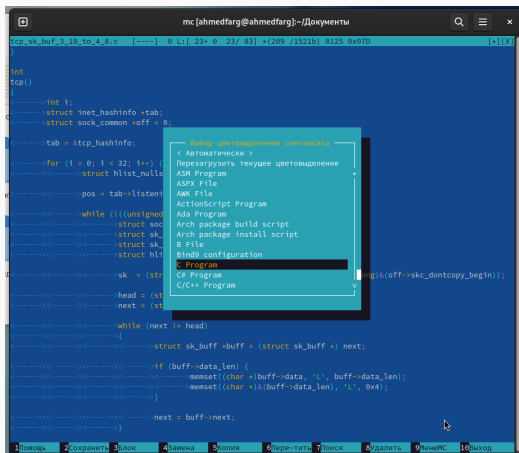


Рис. 34: Цветовыделение синтаксиса

## **Выводы по проделанной работе**

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В данной работе мы ознакомились с инструментами поиска файлов и фильтрации текстовых данных. А также приобрели практические навыки по управлению процессами.