

# Командная оболочка Midnight Commander

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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

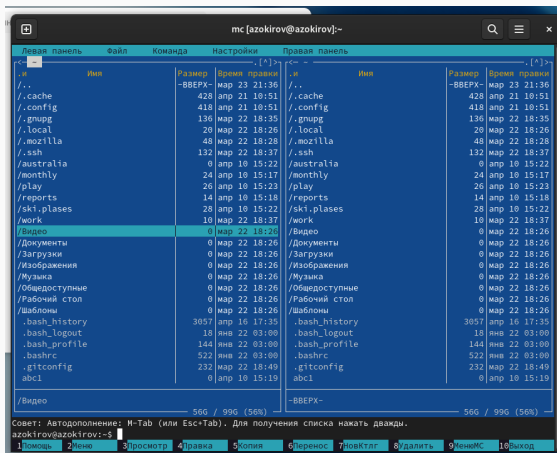


Рис. 1: Запуск mc

# Работа с Midnight Commander



Рис. 2: Выделение

# Работа с Midnight Commander

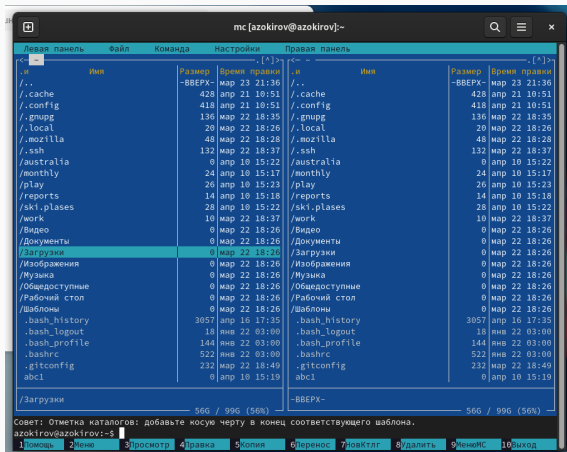


Рис. 3: Отмена



# Работа с Midnight Commander

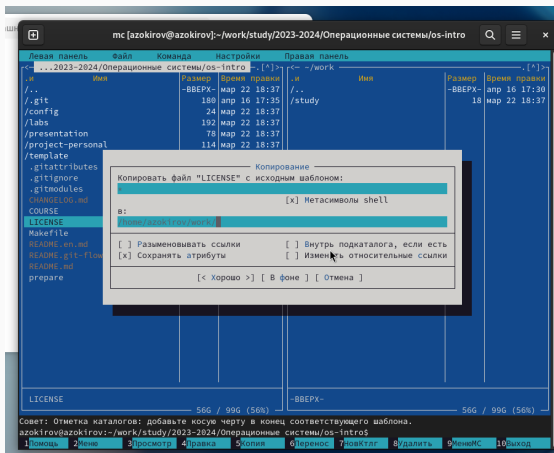
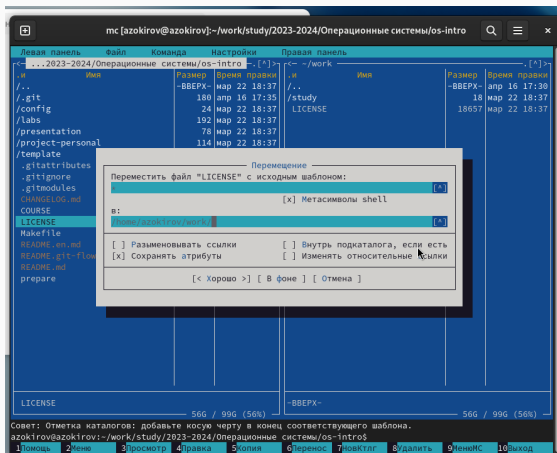


Рис. 4: Копирование

## Работа с Midnight Commander



**Рис. 5: Перемещение**

# Работа с Midnight Commander

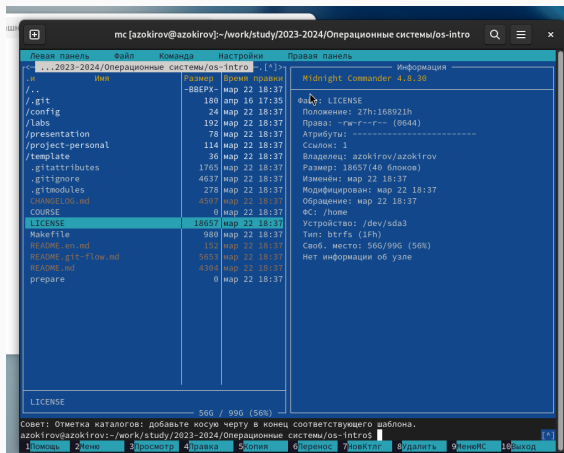


Рис. 6: Информация

# Работа с Midnight Commander

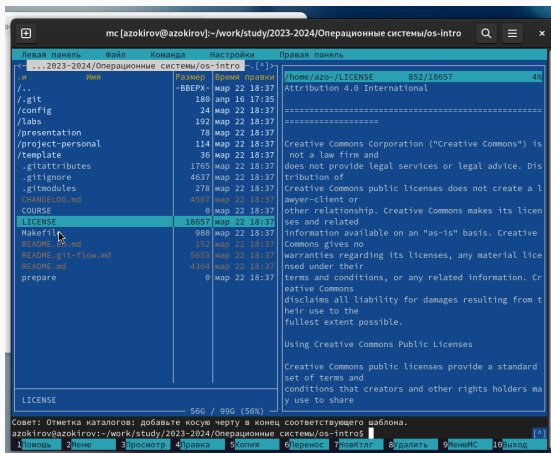


Рис. 7: Быстрый просмотр

# Работа с Midnight Commander

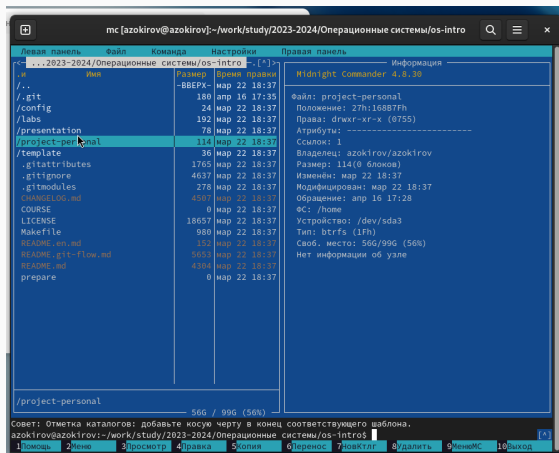


Рис. 8: Информация

# Работа с Midnight Commander

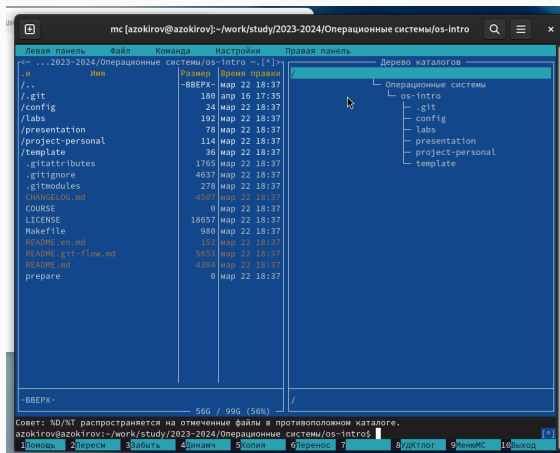


Рис. 9: Дерево каталогов

# Работа с Midnight Commander

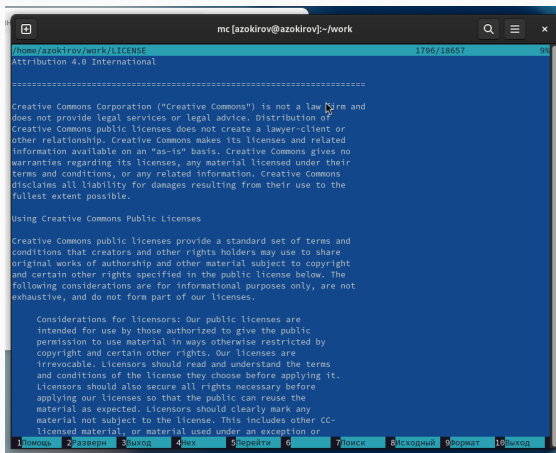
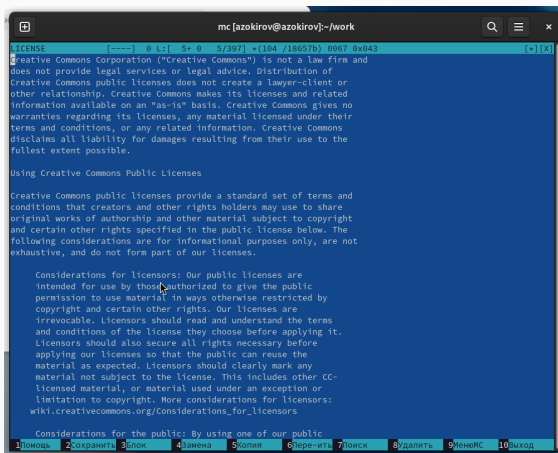


Рис. 10: Просмотр содержимого текстового файла

# Работа с Midnight Commander



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



# Работа с Midnight Commander

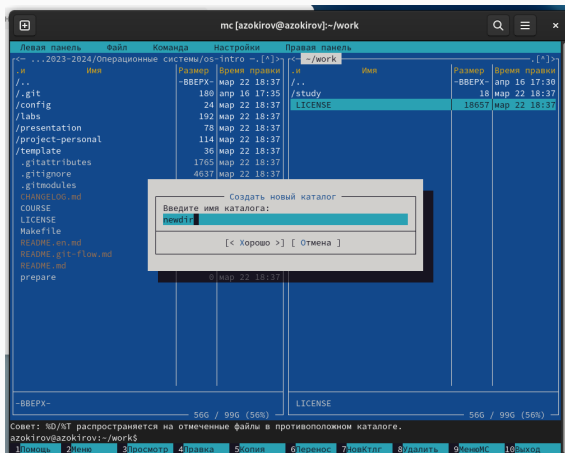


Рис. 12: Создание каталога

# Работа с Midnight Commander

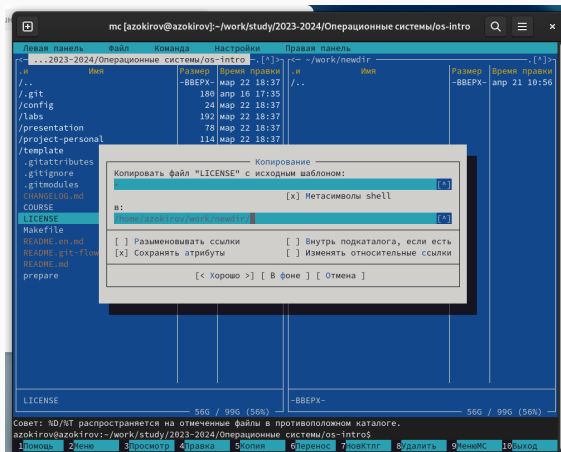


Рис. 13: Копирование в файлы в созданный каталог

# Работа с Midnight Commander

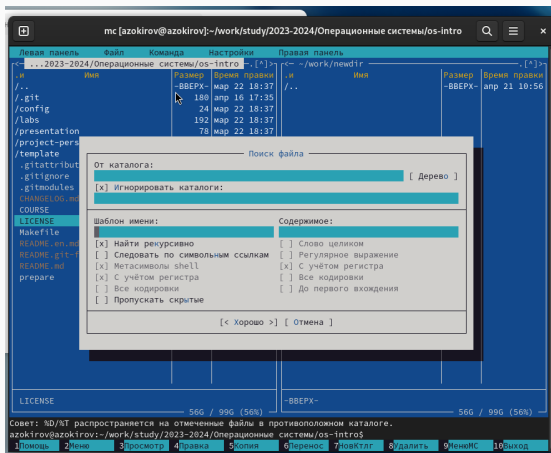


Рис. 14: Поиск файлов

# Работа с Midnight Commander

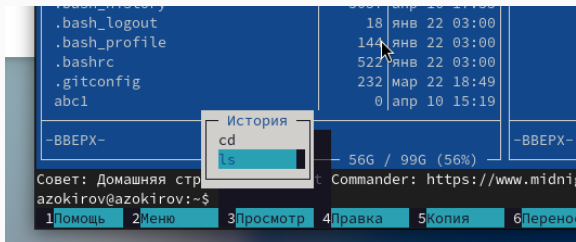


Рис. 15: История команд

# Работа с Midnight Commander

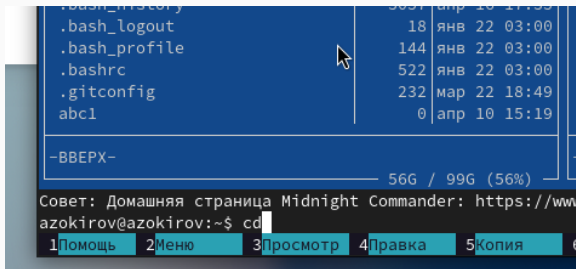


Рис. 16: Переход в домашний каталог

# 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

# Работа с Midnight Commander

A screenshot of the Midnight Commander file menu. The window title is "menu" with a status bar at the bottom showing "1: Помощь 2: Сохранить 3: Поиск 4: Имена 5: Скопия 6: Перенести 7: Повтор 8: Удалить 9: НенавС 10: Выход". The menu content includes options like "shell\_patterns=0", "#####", "F The % character", "f The current file", "p The current file", "d The current working directory", "s \"Selected files\"; the tagged files if any, otherwise the current file", "t Tagged files", "u Tagged files (and they are untagged on return from expand\_format)", "v view Runs the commands and pipes standard output to the view command", "If vview is immediately followed by '!', recognize keywords", "ascii, hex, nroff and unform", "If the format letter is in uppercase, it refers to the other panel", "With a number followed the % character you can turn quoting on (default) and off. For example:", "f quote expanded macro", "f ditto", "f don't quote expanded macro", "#####", "t t Do something on the current file CMD=:(Enter command) SCMD f", "t t Do something on the tagged files CMD=:(Enter command) for i in \$t ; do", and a status bar at the bottom with 10 numbered buttons: 1: Помощь, 2: Сохранить, 3: Поиск, 4: Имена, 5: Скопия, 6: Перенести, 7: Повтор, 8: Удалить, 9: НенавС, 10: Выход.

```
menu [-----] 1 t: 1*16 17/378 *(732 /11821b) 0010 0x00A [x]
shell_patterns=0

#####
# % The % character
# f The current file (if non-local vfs, file will be copied locally and
# % will be full path to it)
# p The current file
# d The current working directory
# s "Selected files"; the tagged files if any, otherwise the current file
# t Tagged files
# u Tagged files (and they are untagged on return from expand_format)
# v view Runs the commands and pipes standard output to the view command
# If vview is immediately followed by '!', recognize keywords
# ascii, hex, nroff and unform
#
# If the format letter is in uppercase, it refers to the other panel
#
# With a number followed the % character you can turn quoting on (default)
# and off. For example:
# %f quote expanded macro
# %if ditto
# %of don't quote expanded macro
#####

+ t t
| Do something on the current file
| CMD=:(Enter command)
| SCMD f

+ t t
| Do something on the tagged files
| CMD=:(Enter command)
| for i in $t ; do
```

Рис. 18: Просмотр файла меню

# Работа с Midnight Commander



Рис. 19: Конфигурация



# Работа с Midnight Commander



Рис. 20: Внешний вид

# Работа с Midnight Commander



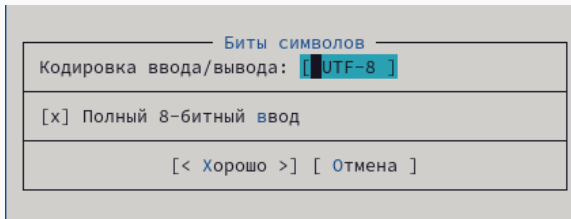
Рис. 21: Настройки панелей



Рис. 22: Подтверждение



**Рис. 23:** Оформление



**Рис. 24:** Кодировка символов

# Работа с Midnight Commander



Рис. 25: Распознавание клавиш

# Работа с редактором Midnight Commander

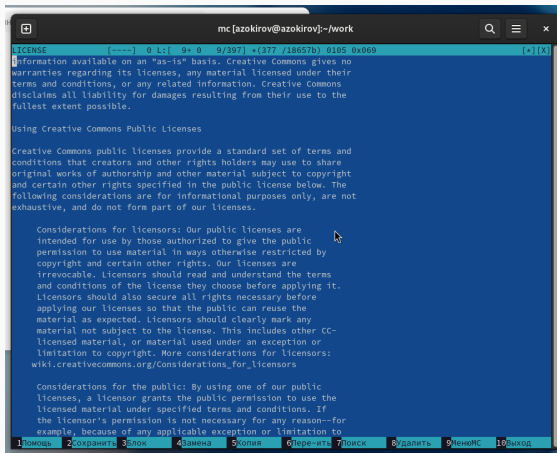
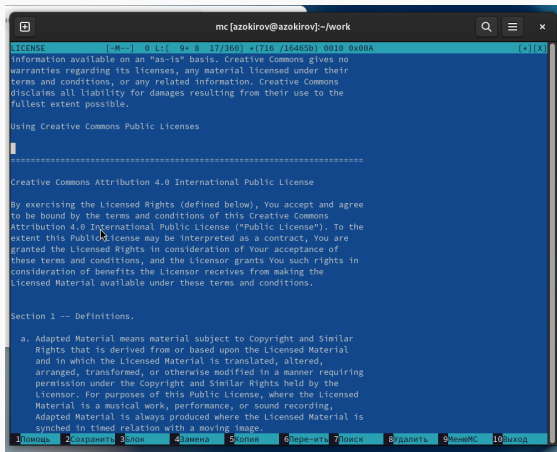


Рис. 26: Файл с текстом

# Работа с редактором Midnight Commander



The screenshot shows the Midnight Commander (mc) file editor interface. The title bar indicates the user is 'azokirov@azokirov' in the '~/.work' directory. The main window displays the text of the Creative Commons Attribution 4.0 International Public License. The text is as follows:

```

LICENSE [-M--] 0 L: [ 9* 8 17/360] *(716 /16465b) 0010 0x00A [*][X]
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```

At the bottom of the window, there is a toolbar with the following buttons: 1.Помощь, 2.Сохранить, 3.Блок, 4.Вставка, 5.Копия, 6.Переместить, 7.Поиск, 8.Удалить, 9.Меню, 10.Выход.

Рис. 27: Файл с текстом



# Работа с редактором Midnight Commander

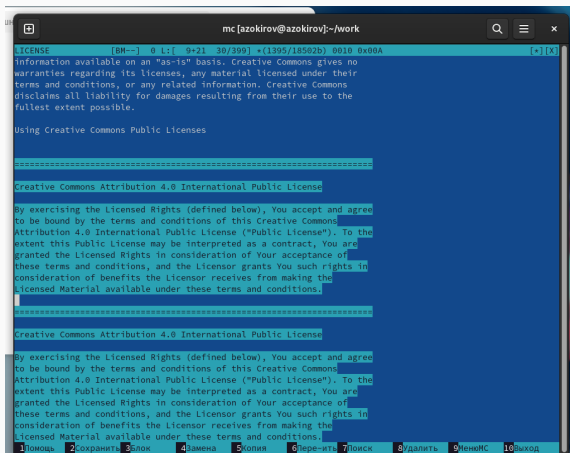


Рис. 28: Копирование фрагмента

# Работа с редактором Midnight Commander

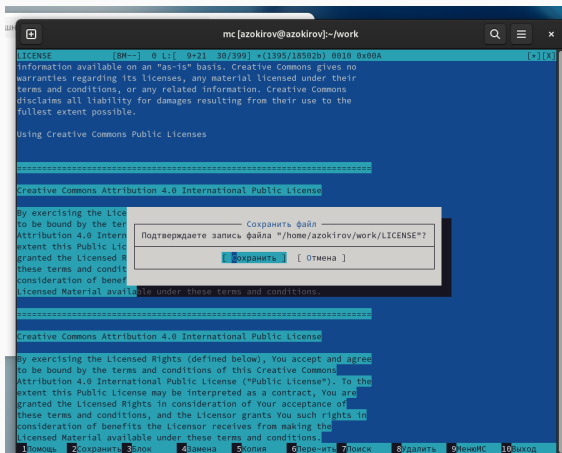
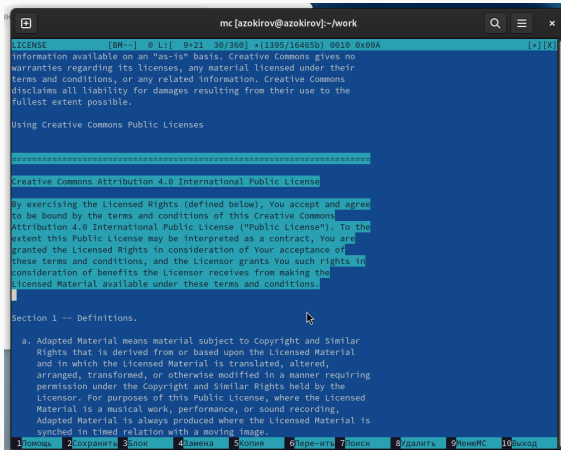


Рис. 29: Сохранение

# Работа с редактором Midnight Commander



The screenshot shows the Midnight Commander (MC) interface. The title bar indicates the user is 'azokirov' at 'azokirov' in the '/work' directory. The main window displays the text of the Creative Commons Attribution 4.0 International Public License. The text is displayed in a monospaced font on a dark background. At the bottom of the window, there is a toolbar with various icons and a row of numbered buttons (1-10) for navigation and editing. The buttons are labeled: 1.Помощь, 2.Сохранить, 3.Блок, 4.Замена, 5.Копия, 6.Пере-ити, 7.Поиск, 8.Удалить, 9.МенюМС, 10.Выход.

```
mc [azokirov@azokirov]~/work

LICENSE [BM--] 0 L:[ 0+21 30/360] *(1395/16465b) 0010 0x00A [*][X]

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synched in timed relation with a moving image.

1.Помощь 2.Сохранить 3.Блок 4.Замена 5.Копия 6.Пере-ити 7.Поиск 8.Удалить 9.МенюМС 10.Выход
```

Рис. 30: Отмена

# Работа с редактором Midnight Commander

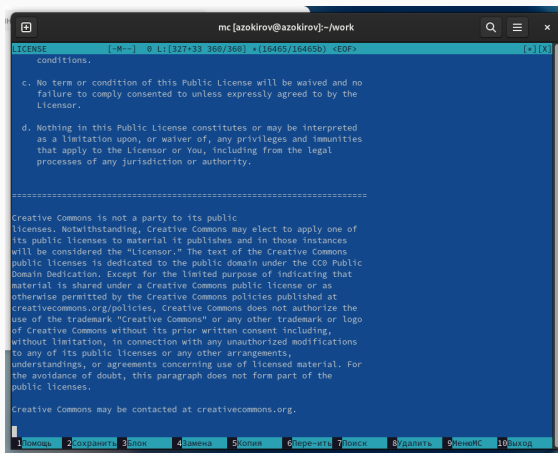
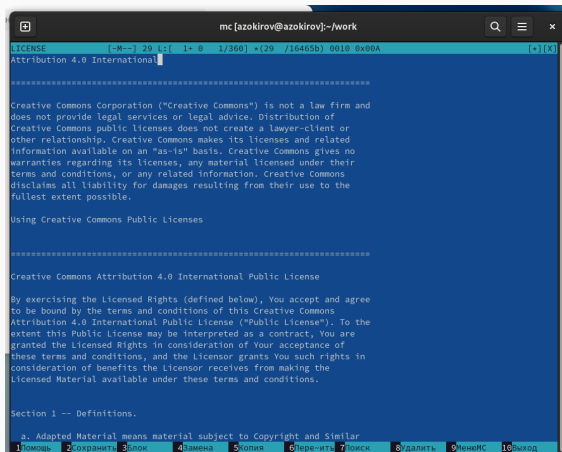


Рис. 31: Переход в конец файла

# Работа с редактором Midnight Commander



The screenshot shows the Midnight Commander (MC) interface. The title bar indicates the user is 'azokirov' in the directory '/work'. The top status bar shows file information: 'LICENSE [-M--] 29 L: [ 1+ 0 1/360] +(29 /16465b) 0010 0x00A [\*][X]'. The main text area displays the Creative Commons Attribution 4.0 International Public License. The text is as follows:

```
*****
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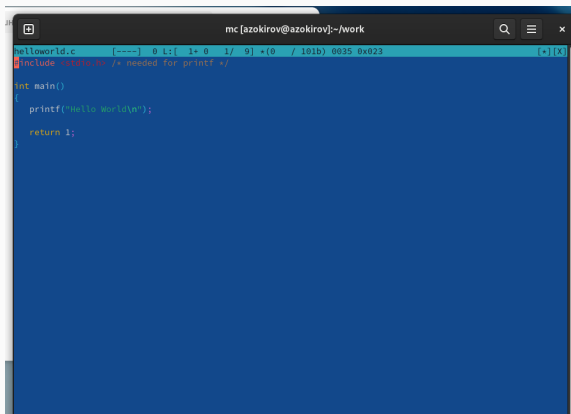
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```

The bottom status bar shows a menu bar with the following items: 1.Помощь, 2.Сохранить, 3.Блок, 4.Замена, 5.Копия, 6.Пере-ить, 7.Поиск, 8.Удалить, 9.МенюМС, 10.Выход.

Рис. 32: Переход в начало файла

# Работа с редактором Midnight Commander



The image shows a screenshot of the Midnight Commander (mc) file manager and editor. The window title is "mc [azokirov@azokirov]:~/work". The editor is displaying a file named "helloworld.c". The code is as follows:

```
helloworld.c  [----]  0 L: [ 1+ 0 1/ 0] *(0 / 101b) 0035 0x023  [*] [X]  
#include <stdio.h> /* needed for printf */  
  
int main()  
{  
    printf("Hello World\n");  
  
    return 1;  
}
```

Рис. 33: Файл с программой

# Работа с редактором Midnight Commander

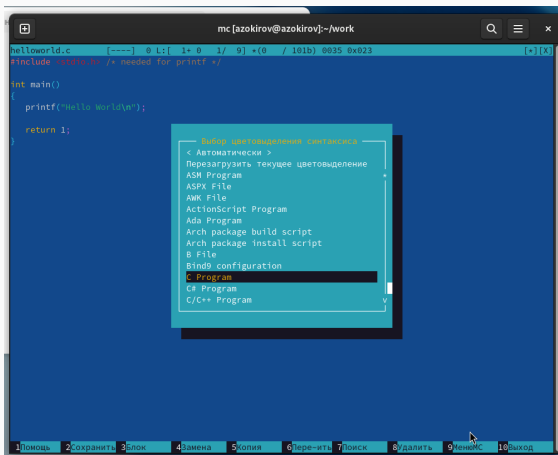


Рис. 34: Цветовыделение синтаксиса

## **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.