

# Лабораторная работа № 11

Текстовый редактор emacs

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## Цель работы

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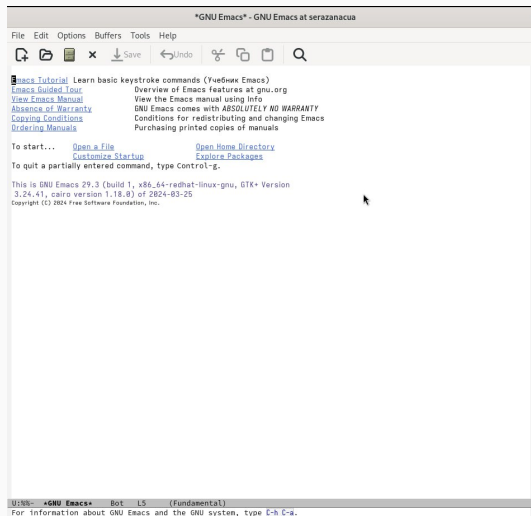
- Познакомиться с операционной системой Linux. Получить практические навыки работы с редактором Emacs.

## Задание

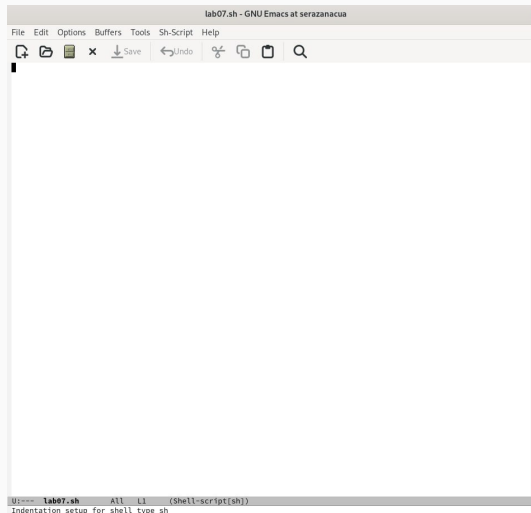
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1. Последовательность выполнения работы.
2. Основные команды etacs.

- Открыть emacs.

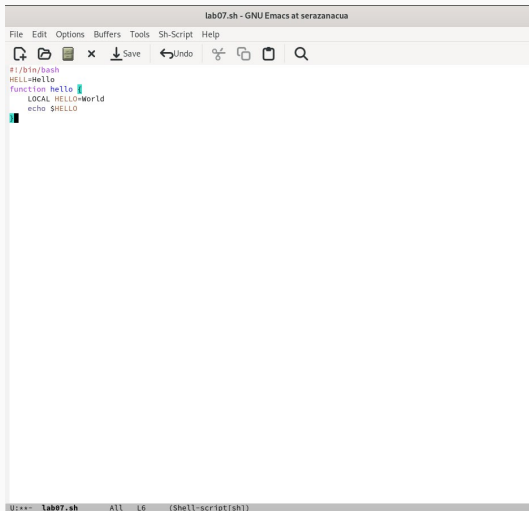


- Создать файл lab07.sh с помощью комбинации Ctrl-x Ctrl-f (C-x C-f).



## Редактирование существующего файла

- Сохранить файл с помощью комбинации Ctrl-x Ctrl-s (C-x C-s).

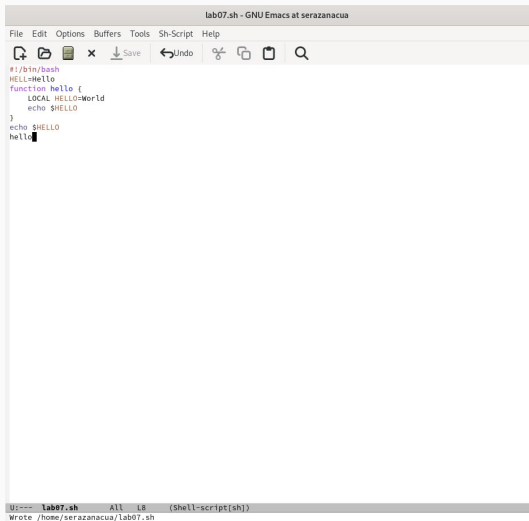


```
lab07.sh - GNU Emacs at serazanacua
File Edit Options Buffers Tools Sh-Script Help
[Icons: Open, Save, Undo, Copy, Paste, Find]
#!/bin/bash
HELL=Hello
function hello
  LOCAL HELLO=World
  echo $HELLO
[Cursor]
```

U:\*\*\* lab07.sh All L6 (shell-script[sh])



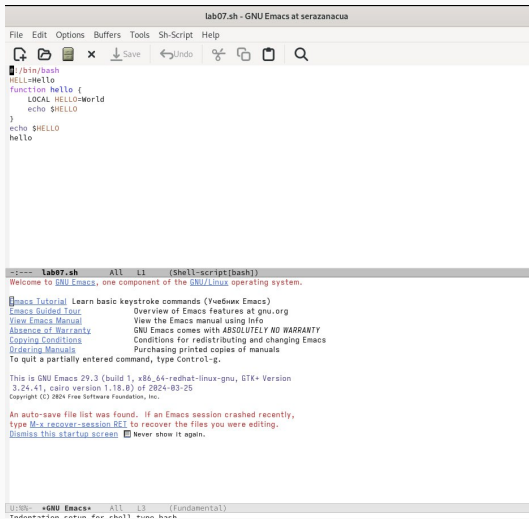
- Вырезать одной командой целую строку (C-k).



```
lab07.sh - GNU Emacs at serazanacua
File Edit Options Buffers Tools Sh-Script Help
[Icons: Open, Save, Undo, Cut, Copy, Paste, Find]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
```

U:--- lab07.sh All L8 (Shell-script[sh])  
Wrote /home/serazanacua/lab07.sh

- Вставить эту строку в конец файла (С-у).



```
lab07.sh - GNU Emacs at serazanacua
File Edit Options Buffers Tools Sh-Script Help
[Icons: Open, Save, Undo, Redo, Copy, Paste, Find]
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $HELLO
}
echo $HELLO
hello

-:--- lab07.sh All L1 (Shell-script(bash))
Welcome to GNU Emacs, one component of the GNU/Linux operating system.

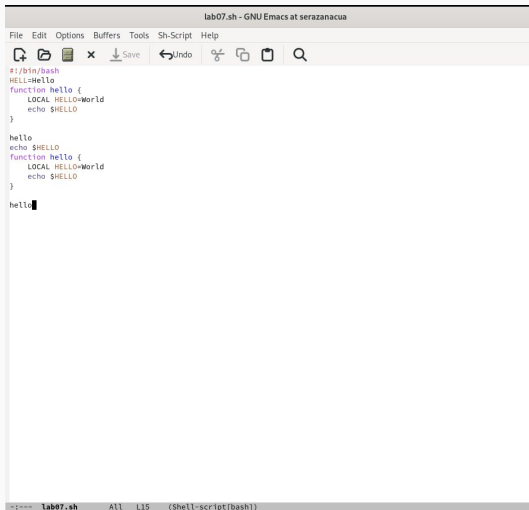
[Emacs Tutorial] Learn basic keystroke commands (Учебник Emacs)
[Emacs Guided Tour] Overview of Emacs features at gnu.org
[View Emacs Manual] View the Emacs manual using Info
[Absence of Warranty] GNU Emacs comes with ABSOLUTELY NO WARRANTY
[Copyleft Conditions] Conditions for redistributing and changing Emacs
[Ordering Manuals] Purchasing printed copies of manuals
To quit a partially entered command, type Control-g.

This is GNU Emacs 29.3 (build 1, x86_64-redhat-linux-gnu, GTK+ Version
3.24.41, cairo version 1.18.0) of 2024-03-25
Copyright (C) 2024 Free Software Foundation, Inc.

An auto-save file list was found. If an Emacs session crashed recently,
type M-x recover-session RET to recover the files you were editing.
Dismiss this startup screen [X] Never show it again.

U:%%- *GNU Emacs* All L3 (Fundamental)
Indentation option for shell runs back
```

- Переместите курсор в начало строки (C-a).



```
lab07.sh - GNU Emacs at serazanacua
File Edit Options Buffers Tools Sh-Script Help
[Icons: Open, Save, Undo, Copy, Paste, Find]

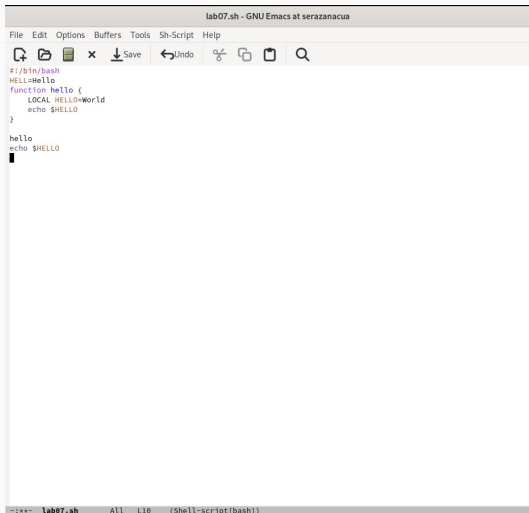
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $SHELLO
}

hello
echo $SHELLO
function hello {
  LOCAL HELLO=World
  echo $SHELLO
}

hello
```

lab07.sh All L15 (shell-script(bash))

- Переместите курсор в конец строки (C-e).



The screenshot shows the GNU Emacs editor interface. The title bar reads "lab07.sh - GNU Emacs at serazanacua". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for opening, saving, undo, redo, and search. The main text area contains the following code:

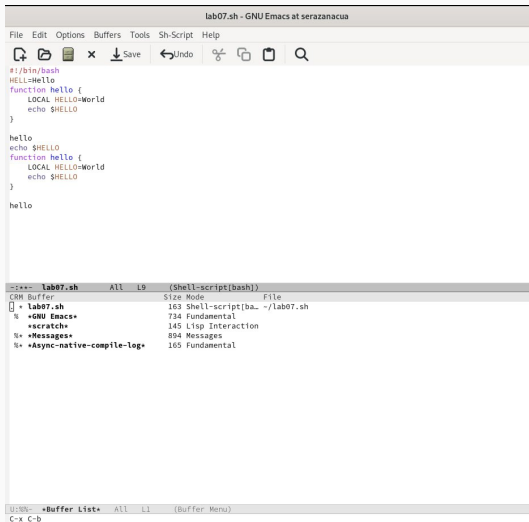
```
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=world
  echo $HELLO
}

hello
echo $HELLO
```

The cursor is positioned at the end of the last line, "echo \$HELLO".

The status bar at the bottom shows "lab07.sh", "All", "L10", and "(Shell-script[bash])".

- Вывести список активных буферов на экран (C-x C-b).



The screenshot shows the GNU Emacs editor interface. The main window displays a shell script named `lab07.sh` with the following content:

```
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $HELLO
}

hello
echo $HELLO
function hello {
  LOCAL HELLO=World
  echo $HELLO
}

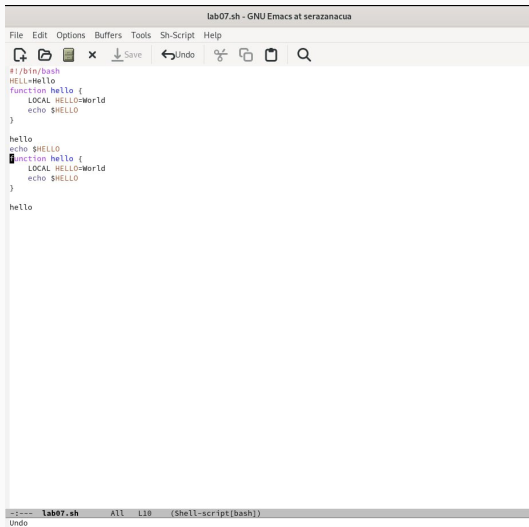
hello
```

Below the script, the `*Buffer List*` window is open, showing a table of active buffers:

CRM	Buffer	Size	Mode	File
	* lab07.sh	163	Shell-script[ba..	~/lab07.sh
%	*GNU Emacs*	734	Fundamental	
%	*scratch*	145	Lisp Interaction	
%	*Messages*	894	Messages	
%	*Async-native-compile-log*	165	Fundamental	

The status bar at the bottom indicates the current buffer is `*Buffer List*` and the command `C-x C-b` was used to open it.

- Закройте это окно (C-x 0).



```
lab07.sh - GNU Emacs at serazanacua
File Edit Options Buffers Tools Sh-Script Help
[Icons: Open, Save, Undo, Cut, Copy, Paste, Find]

#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $HELLO
}

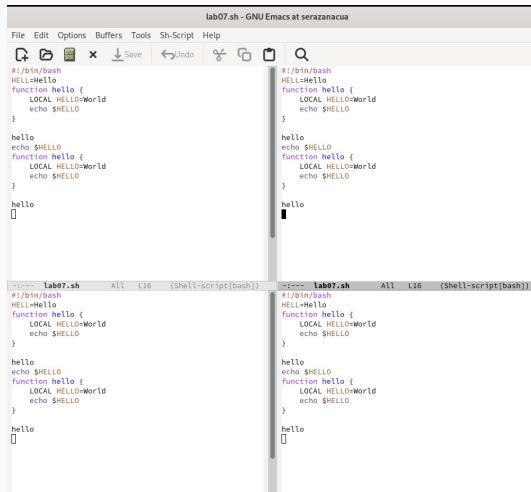
hello
echo $HELLO
function hello {
  LOCAL HELLO=World
  echo $HELLO
}

hello

--lab07.sh All L10 (Shell-script(bash))
Undo
```

# Процесс выполнения

- Поделите фрейм на 4 части: разделите фрейм на два окна по вертикали (С-х 3), а затем каждое из этих окон на две части по горизонтали (С-х 2)



The screenshot shows the GNU Emacs editor interface with a title bar that reads "lab07.sh - GNU Emacs at serazanacua". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu is a toolbar with icons for opening, saving, undo, redo, and search. The main editing area is divided into four equal panes by a vertical and a horizontal split line. Each pane displays the same shell script code:

```
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}

hello
echo $HELLO
function hello {
    LOCAL HELLO=World
    echo $HELLO
}

hello
█
```

The status bar at the bottom of each pane shows "-- Lab07.sh All L16 (Shell-script[bash])".

- В процессе выполнения лабораторной работы, я получила практические навыки работы в редакторе etacs.



1. Командная строка Windows [Электронный ресурс]. URL:  
<https://foxford.ru/wiki/informatika/komandnaya-stroka-windows>.

Спасибо за внимания