

# Лабораторная работа №11

Простейший шаблон

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Бадалов Заури Эльвин оглы

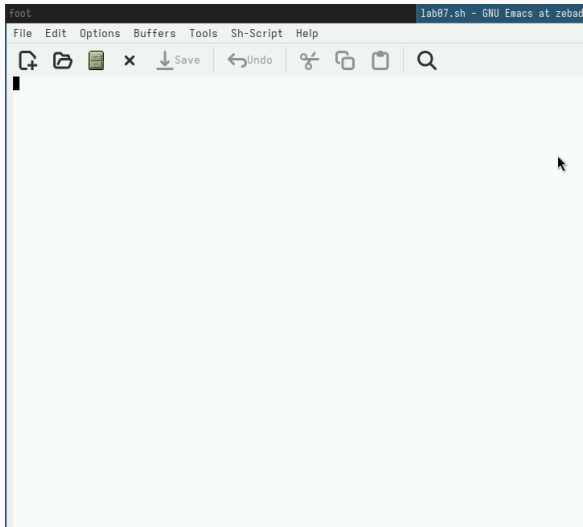
# Информация

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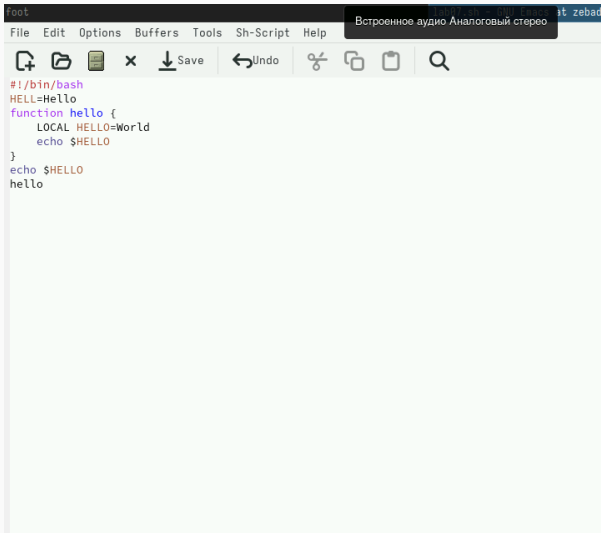
- Бадалов Заури Эльвин оглы
- Студент
- Российский университет дружбы народов
- 1132236098@rudn.ru

Ознакомление с операционной системой Linux и получение практических навыков работы с редактором emacs.

Открываю emacs и создаю файл lab07.sh



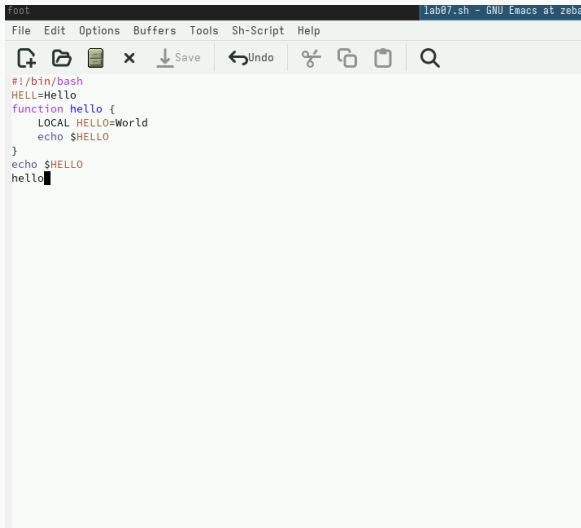
## Записываю текст



```
foot
File Edit Options Buffers Tools Sh-Script Help
Встроенное аудио Аналоговый стерео it zebad
+ Save Undo
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
```

# Сохранение текста

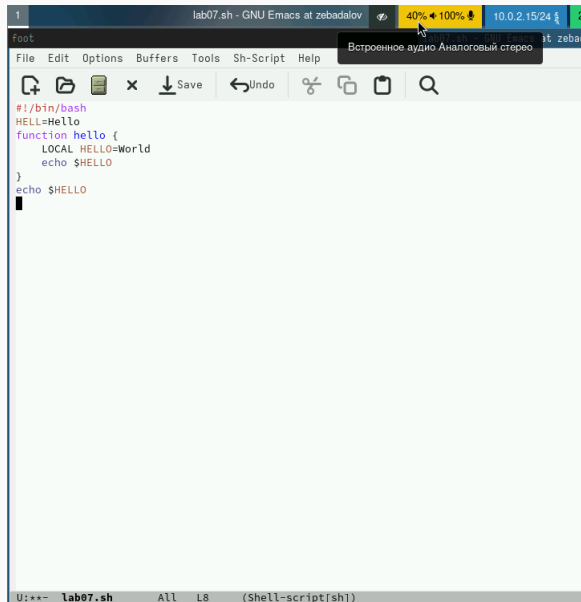
Сохраняю текст, используя комбинацию клавиш “Ctrl-x” “Ctrl-s”



```
Foot lab07.sh - GNU Emacs at zebra
File Edit Options Buffers Tools Sh-Script Help
[Icons: Save, Undo, Redo, Search]

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

## Вырезаю строку, используя комбинацию клавиш “Ctrl-k”



The screenshot shows the GNU Emacs editor interface. The title bar indicates the file is 'lab07.sh' and it's running 'GNU Emacs at zebadalov'. The status bar at the bottom shows 'U:\*\*\* lab07.sh All L8 (Shell-script[sh])'. The main editing area contains a shell script with the following content:

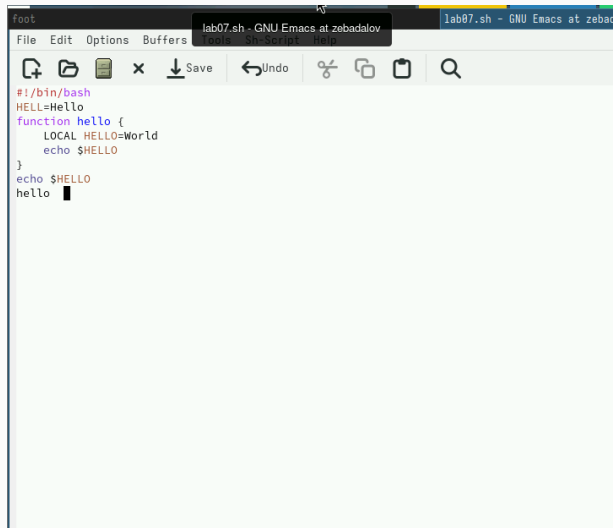
```
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $HELLO
}
echo $HELLO
```

A tooltip is visible over the Emacs window, displaying the text 'Встроенное аудио Аналоговый стерео' (Built-in audio Analog stereo) and showing volume controls for 40% and 100%.



# Вставка в конец файла

Вставляю эту строку в конец файла



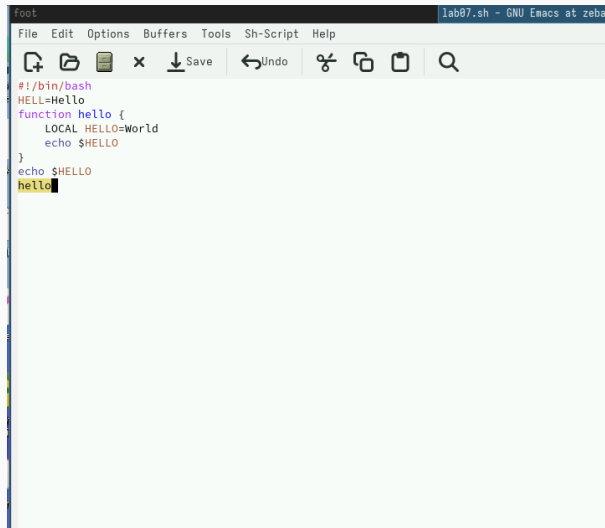
The screenshot shows the Emacs editor interface. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for opening, saving, undo, redo, and search. The current buffer is 'lab07.sh - GNU Emacs at zebadalov'. The code in the buffer is a shell script:

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

The cursor is positioned at the end of the last line, 'hello', ready to insert a new line.

# Выделение области текста

Выделяю область текста, используя комбинацию клавиш “Ctrl-space”



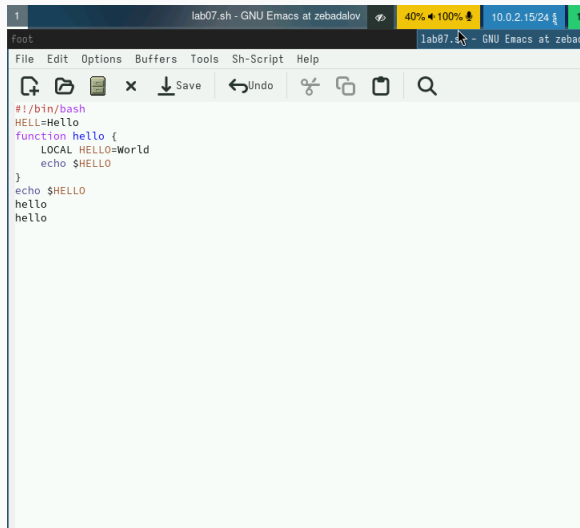
The screenshot shows the GNU Emacs editor interface. The title bar at the top reads "foot" and "lab07.sh - GNU Emacs at zeba". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu bar is a toolbar with icons for opening files, saving, undo, redo, and search. The main editing area contains a shell script with the following content:

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

The word "hello" on the final line is highlighted in yellow, indicating it has been selected using the Ctrl-space command.

# Вставка области в конец файла

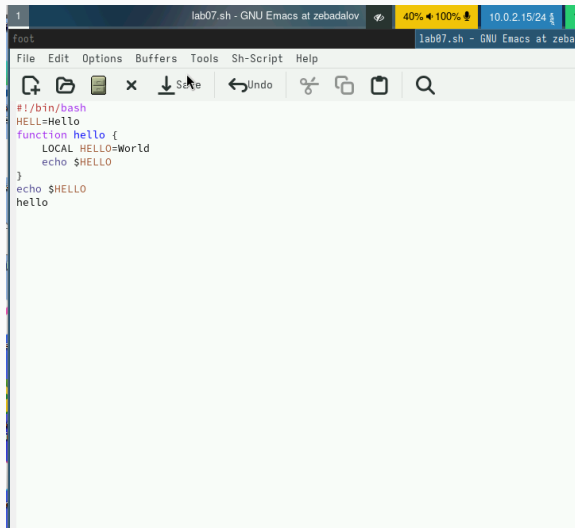
Копирую область и вставляю ее в конец файла



```
1 lab07.sh - GNU Emacs at zebadalov 40% 100% 10.0.2.15/24 1
foot lab07.sh - GNU Emacs at zebadalov
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Undo, Cut, Copy, Paste, Find]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
hello
```

# Вырезание области

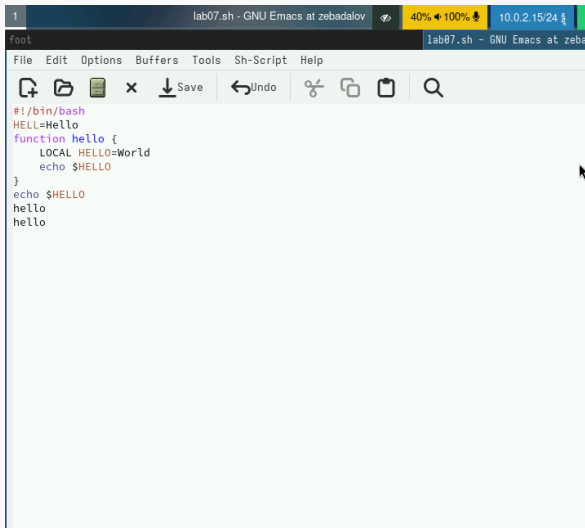
Снова выделяю эту область и вырезаю ее



```
1 lab07.sh - GNU Emacs at zebadalov 40% 100% 10.0.2.15/24 1
foot lab07.sh - GNU Emacs at zebadalov
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
}
echo $HELLO
hello
```

# Отмена последнего действия

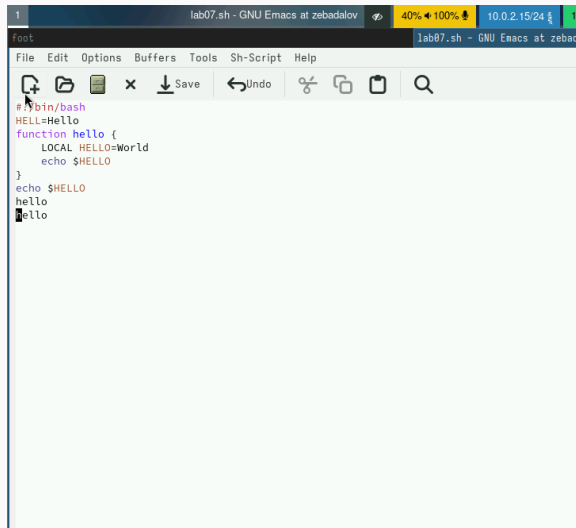
Отменяю последнее действие, используя комбинацию клавиш “Ctrl-”



```
1 lab07.sh - GNU Emacs at zebadalov 40% 100% 10.0.2.15/24 10.0.2.15/24
foot lab07.sh - GNU Emacs at zeba
File Edit Options Buffers Tools Sh-Script Help
[Icons: Copy, Paste, Save, Undo, Cut, Copy, Paste, Find]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
hello
```

# Перемещение курсора в начало строки

Перемещаю курсор в начало строки, используя комбинацию клавиш “Ctrl-a”



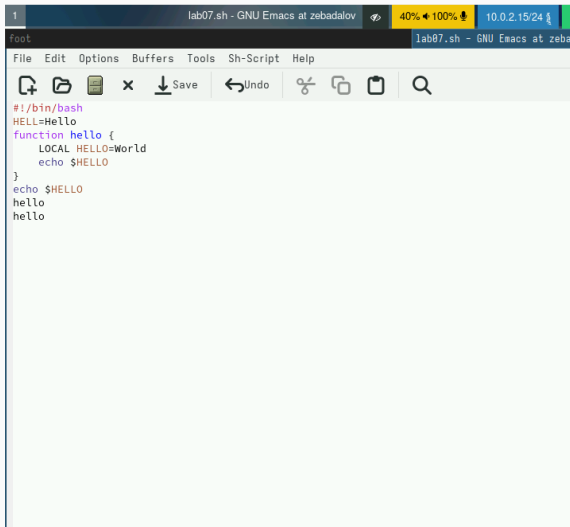
The screenshot shows the GNU Emacs editor interface. The title bar indicates the file is 'lab07.sh' and the editor is running 'GNU Emacs at zebadalov'. The status bar at the bottom shows '10.0.2.15/24'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for opening, saving, undo, redo, and search. The code being edited is a shell script:

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

The cursor is positioned at the start of the final 'hello' line. The 'Go to Start of Line' icon (a square with an arrow pointing left) in the toolbar is highlighted, indicating the action being performed or about to be performed.

# Перемещение курсора в конец строки

Перемещаю курсор в конец строки, используя комбинацию клавиш “Ctrl-e”



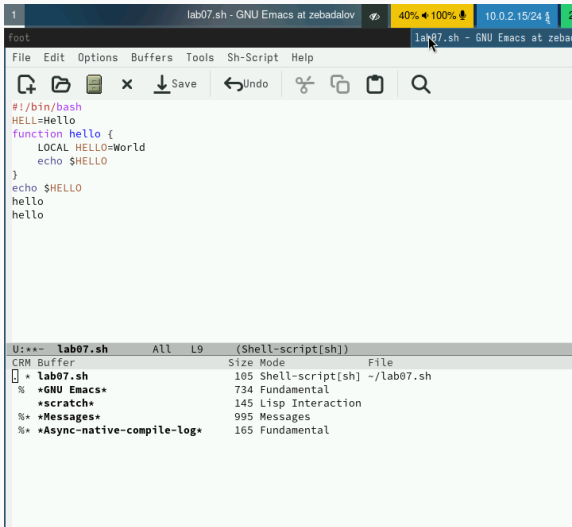
The screenshot shows the GNU Emacs editor window titled "lab07.sh - GNU Emacs at zebadalov". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for opening, saving, undo, redo, and search. The code in the buffer is as follows:

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

The cursor is positioned at the end of the last line of code, "hello".

# Вывод списка активных буферов

Вывожу список активных буферов на экран



The screenshot shows the GNU Emacs editor interface. The top bar indicates the file is 'lab07.sh' and the window title is 'lab07.sh - GNU Emacs at zebadalov'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

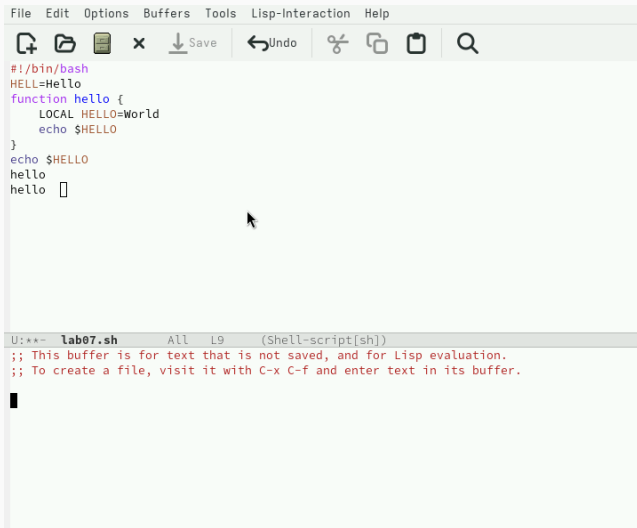
```
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
```

At the bottom, the 'Buffers' list is displayed, showing the following information:

U:***	lab07.sh	All	L9	(Shell-script[sh])
CRM	Buffer			Size Mode File
%	* lab07.sh			105 Shell-script[sh] ~/lab07.sh
%	* GNU Emacs*			734 Fundamental
%	* scratch*			145 Lisp Interaction
%*	* Messages*			995 Messages
%*	* Async-native-compile-log*			165 Fundamental



## Переключаюсь на другой буфер



The screenshot shows the Emacs editor interface. The menu bar at the top includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Lisp-Interaction', and 'Help'. Below the menu is a toolbar with icons for opening files, saving, undo, redo, and search. The main text area contains a shell script with the following content:

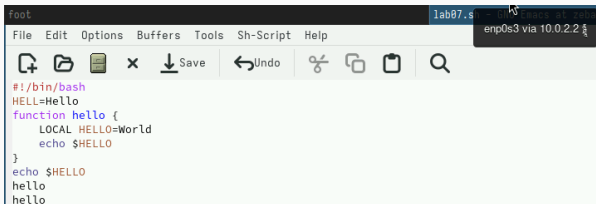
```
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
```

At the bottom of the window, the status bar shows 'U: \*\*~ lab07.sh All L9 (Shell-script[sh])'. Below the status bar, there is a red message:

```
;; This buffer is for text that is not saved, and for Lisp evaluation.
;; To create a file, visit it with C-x C-f and enter text in its buffer.
```

# Заккрытие окна

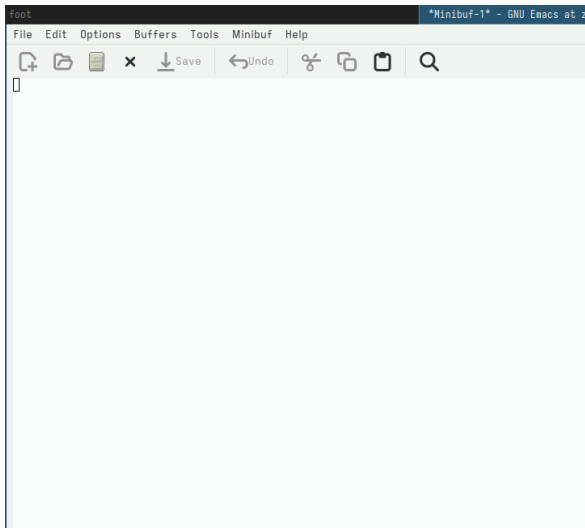
Закрываю это окно



```
foot lab07.s - G... enp0s3 via 10.0.2.2
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Undo, Cut, Copy, Paste, Find]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
hello
```

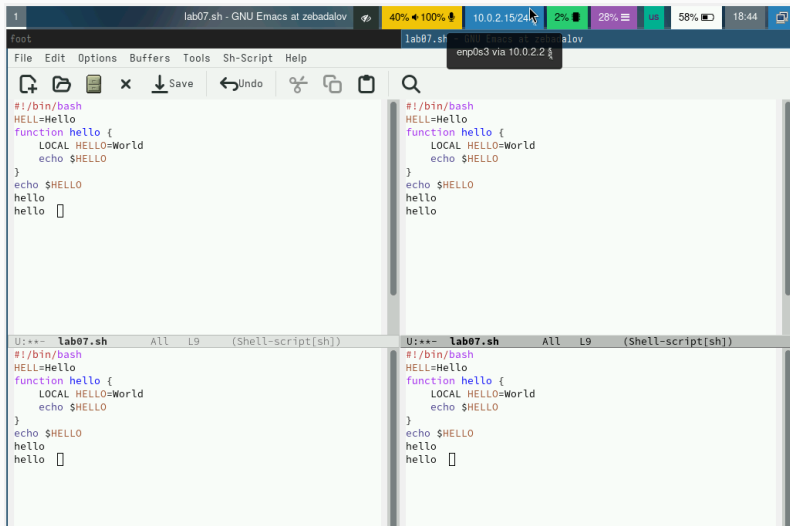
# Переключение между буферами

Переключаюсь между буферами, не выводя их на экран



# Деление экрана

## Делю экран на 4 части



Переключаюсь в режим поиска, используя комбинацию клавиш “Ctrl-s”, и нахожу несколько слов

```
1 lab07.sh - GNU Emacs at zebadalov 40% 100% 10.0.2.15/24 2% 28% us 56% 18:50
```

Foot lab07.sh - GNU Emacs at zebadalov Discharging

File Edit Options Buffers Tools Sh-Script Isearch Help

< > Repeat Forward Abort Finish Undo Replace Show Hits Help

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

U:\*\*\* lab07.sh All L9 (Shell-script[sh] Isearch)

# Переключение между результатами поиска

Переключаюсь между результатами поиска

The screenshot shows the GNU Emacs editor interface with a search for the word 'HELLO' in the file 'lab07.sh'. The search results are displayed in a split view, showing the context of each occurrence. The search string 'HELLO' is highlighted in yellow in the original image. The status bar at the bottom indicates the current position in the file and the search results.

```
foot lab07.sh - GNU Emacs at zebadalov
File Edit Options Buffers Tools Sh-Script Isearch Help
< > Repeat Forward x Abort G Finish ← Undo ↻ Replace Show Hits Help

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

U:\*\*\* lab07.sh All L9 (Shell-script[sh] Isearch)

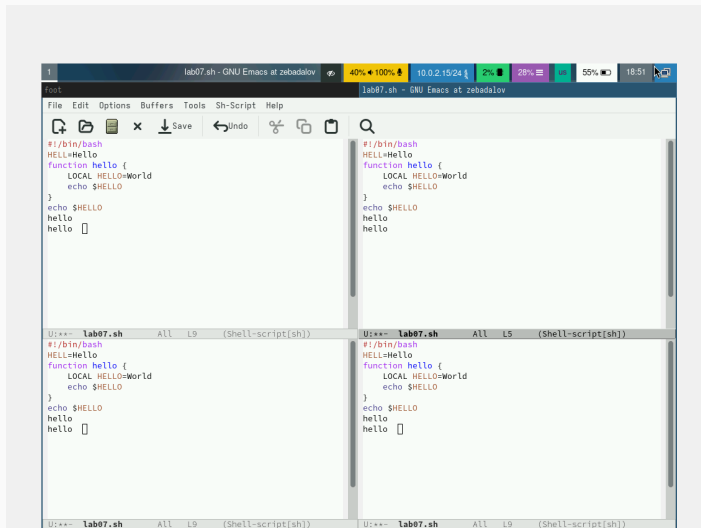
```
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
```

U:\*\*\* lab07.sh All L5 (Shell-script[sh] Isearch)

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

# Выход из режима поиска

Выхожу из режима поиска, используя комбинацию клавиш “Ctrl-g”



Ознакомился с операционной системой Linux и получил практических навыков работы с редактором emacs.