

# Текстовой редактор emacs

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## Отчет по лабораторной работе №10

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

```
ydbashkirova@dk8n80 ~ $ emacs
```

# Создание файла

```
U:%%- *GNU Emacs* Bot L5 (Fundamental) Чт мая 20 10:35 0.38
Warning (initialization): An error occurred while loading '~/.emacs':

error: Package 'fira-code-mode-' is unavailable

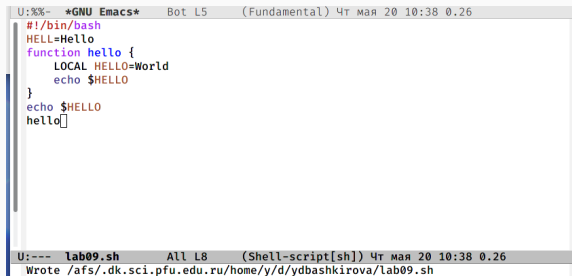
To ensure normal operation, you should investigate and remove the
cause of the error in your initialization file. Start Emacs with
the '--debug-init' option to view a complete error backtrace.
□

U:%%- *Warnings* All L8 (Special) Чт мая 20 10:35 0.38
Find file: ~/lab09.sh
```

```
U:%%~ *GNU Emacs* Bot L5 (Fundamental) Чт мая 20 10:37 0.22
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
```

```
U:*** lab09.sh All L8 (Shell-script[sh]) Чт мая 20 10:37 0.22
```

# Сохранение файла



```
U:%%- *GNU Emacs* Bot L5 (Fundamental) Чт мая 20 10:38 0.26
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
```

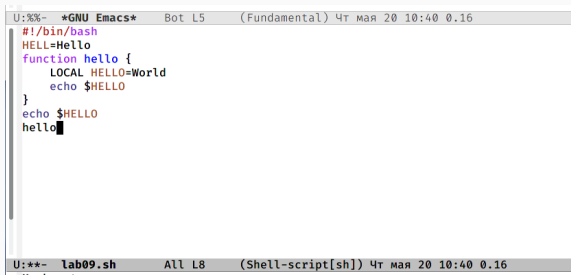
U:--- lab09.sh All L8 (Shell-script[sh]) Чт мая 20 10:38 0.26  
Wrote /afs/.dk.sci.pfu.edu.ru/home/y/d/ydbashkirova/lab09.sh

```
U:%%- *GNU Emacs* Bot L5 (Fundamental) Чт мая 20 10:40 0.16
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
█

U:**- lab09.sh All L8 (Shell-script[sh]) Чт мая 20 10:40 0.16
```



# Вставка строки



The screenshot shows an Emacs editor window with a title bar that reads "U:%%- \*GNU Emacs\* Bot L5 (Fundamental) Чт мая 20 10:40 0.16". The editor contains a shell script with the following content:

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

The cursor is positioned at the end of the "hello" command on the last line. Below the editor window, a status bar shows "U:\*\*\* lab09.sh All L8 (Shell-script[sh]) Чт мая 20 10:40 0.16".

# Выделение области текста

```
U:%%- *GNU Emacs* Bot L5 (Fundamental) Чт мая 20 10:43 0.39
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello

U:**- lab09.sh All L7 (Shell-script[sh]) Чт мая 20 10:43 0.39
Mark set
```

## Вставка текста в конец файла

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

# Выделила область текста

```
U:%%- *GNU Emacs* Bot L5 (Fundamental) Чт мая 20 10:45 0.48
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello

U:*** lab09.sh All L8 (Shell-script[sh]) Чт мая 20 10:45 0.48
```

# Вырезала область текста

```
U:%%- *GNU Emacs* Bot L5 (Fundamental) Чт мая 20 10:46 0.37
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
```

# Отмена последнего действия

```
U:%%- *GNU Emacs* Bot L5 (Fundamental) Чт мая 20 10:47 0.67
#!/bin/bash
HELL=Hello
function hello {
  LOCAL HELLO=World
  echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello

U:**- lab09.sh All L8 (Shell-script[sh]) Чт мая 20 10:47 0.67
Undo
```

# Перемещение курсора в начало строки

U:%%- \*GNU Emacs\* Bot L5 (Fundamental) Чт мая 20 10:48 0.52

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

# Перемещение курсора в конец строки

```
U:%%- *GNU Emacs*  Bot L5  (Fundamental)  Чт мая 20 10:48 0.52
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
```



# Перемещение курсора в начало буфера

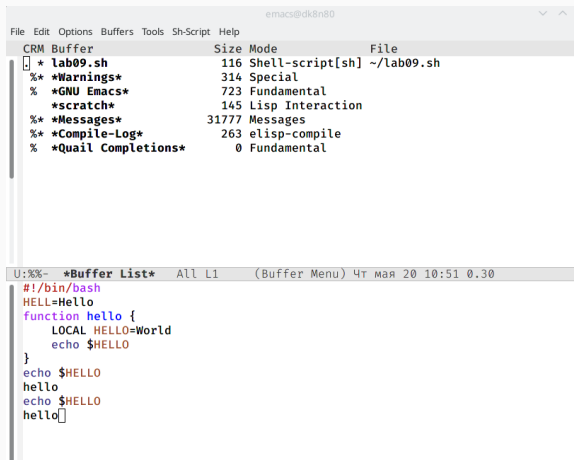
U:%%- \*GNU Emacs\* Bot L5 (Fundamental) ЧТ мая 20 10:49 0.42

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

# Перемещение курсора в начало буфера

```
U:%%- *GNU Emacs*  Bot L5  (Fundamental)  Чт мая 20 10:50 0.52
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
```

# Список активных буферов



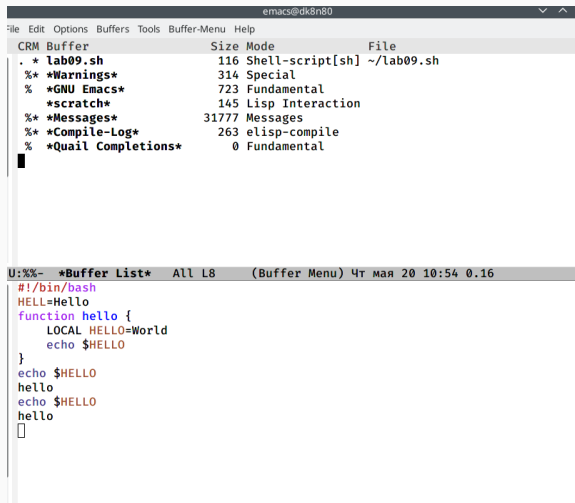
The screenshot shows the Emacs editor interface. The top menu bar includes File, Edit, Options, Buffers, Tools, Sh-Script, and Help. Below the menu is a table listing active buffers. The buffer list is as follows:

CRM	Buffer	Size	Mode	File
	* lab09.sh	116	Shell-script[sh]	~/lab09.sh
%*	*Warnings*	314	Special	
%	*GNU Emacs*	723	Fundamental	
%	*scratch*	145	Lisp Interaction	
%*	*Messages*	31777	Messages	
%*	*Compile-Log*	263	elisp-compile	
%	*Quail Completions*	0	Fundamental	

Below the buffer list, the status bar shows: U:%%- \*Buffer List\* All L1 (Buffer Menu) Чт мая 20 10:51 0.30. The main editing area displays the content of the lab09.sh buffer:

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

## Другой буфер



The screenshot shows the Emacs editor window titled 'emacs@dk8n80'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Buffer-Menu', and 'Help'. The 'Buffer List' window is open, displaying a table of buffers:

CRM	Buffer	Size	Mode	File
.	* lab09.sh	116	Shell-script[sh]	~/lab09.sh
%*	*Warnings*	314	Special	
%	*GNU Emacs*	723	Fundamental	
*	*scratch*	145	Lisp Interaction	
%*	*Messages*	31777	Messages	
%*	*Compile-Log*	263	elisp-compile	
%	*Quail Completions*	0	Fundamental	

Below the table, the status bar shows 'U:%%- \*Buffer List\* All L8 (Buffer Menu) Чт мая 20 10:54 0.16'. The main editor area displays the contents of the 'lab09.sh' buffer:

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

```
emacs@dk8n80
File Edit Options Buffers Tools Sh-Script Help
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
□
```

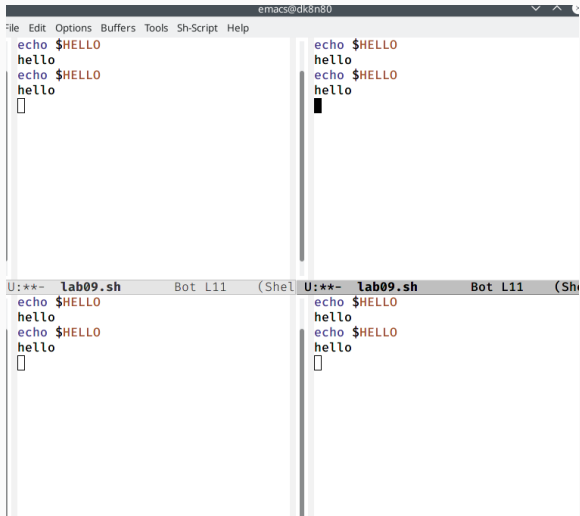
# Переключение между буферами

A screenshot of an Emacs editor window. The title bar at the top reads 'emacs@dk8n80'. Below the title bar is a menu bar with the following items: 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Minibuf', and 'Help'. The main editing area contains a Bash script with the following content:

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

The script defines a variable 'HELL' with the value 'Hello', a function 'hello' that sets a local variable 'HELLO' to 'World' and echoes it, and then calls 'echo \$HELLO' and the 'hello' function twice. The cursor is positioned at the end of the last line of the script.

## 4 части фрейма



```
emacs@dk8n80
File Edit Options Buffers Tools Sh-Script Help

echo $HELLO
hello
echo $HELLO
hello
█

echo $HELLO
hello
echo $HELLO
hello
█

U:***- lab09.sh Bot L11 (Shel U:***- lab09.sh Bot L11 (Shel
echo $HELLO
hello
echo $HELLO
hello
█

echo $HELLO
hello
echo $HELLO
hello
█
```

The screenshot shows the Emacs editor interface with a menu bar (File, Edit, Options, Buffers, Tools, Sh-Script, Help) and a title bar (emacs@dk8n80). The main window displays a shell script in the left pane and its output in the right pane. The script defines a function 'hello' that prints 'Hello' and 'World', and then calls it multiple times. The output shows the script's execution, including the function's output and the poem lines.

```
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name
```

U:\*\*\* lab09.sh All L16 (Shel) U:\*\*\* lab09.sh Bot L11 (Shel)

```
echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name
```

```
echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flam
The shame
The ones who died without a name
```



```
File Edit Options Buffers Tools Sh-Script Isearch Help
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name

echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name

U:*** lab09.sh All L14 (Shell) U:*** lab09.sh Bot L11 (Shell)
echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name

echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name

U:*** lab09.sh Bot L11 (Shell) U:*** lab09.sh Bot L11 (Shell)
Failing I-search: rain
```

# Результаты поиска

```
file Edit Options Buffers Tools Sh-Script Isearch Help
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name

echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name

U:*** lab09.sh All L11 (Shell) U:*** lab09.sh Bot L11 (Shell)
echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name

echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling rain
Coming down like an Armageddon flame
The shame
The ones who died without a name

U:*** lab09.sh Bot L11 (Shell) U:*** lab09.sh Bot L11 (Shell)
Wrapped I-search: rain
```

##Выход из режима поиска

# Режим поиска и замены

```
emacs@ukoniso
File Edit Options Buffers Tools Sh-Script Help

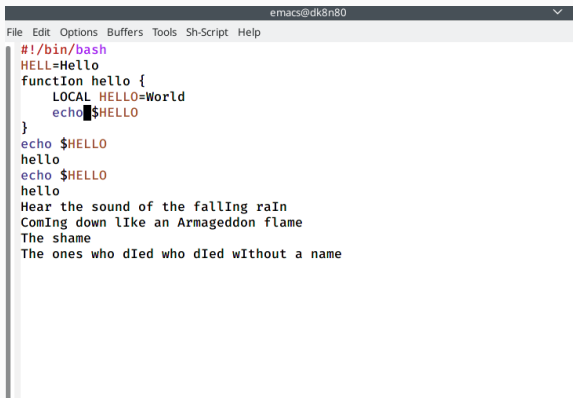
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
Hear the sound of the falling raIn
ComIng down like an Armageddon flame
The shame
The ones who dIed who dIed wIhout a name
```

## ##Режим поиска

```
File Edit Options Buffers Tools Minibuf Help

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

## Другой режим поиска

A screenshot of an Emacs editor window. The title bar at the top reads 'emacs@dk8n80'. Below the title bar is a menu bar with the following items: 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. 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
echo $HELLO
hello
Hear the sound of the falling raIn
ComIng down lIke an Armageddon flame
The shame
The ones who dIed who dIed wIthout a name
```

Познакомилась с операционной системой Linux. Получила практические навыки работы с редактором Emacs.