

# Текстовый редактор emacs

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20.05.2021

## Отчёт по лабораторной работе №10

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

## Основные команды etacs

---

```
vvmurashko1@dk8n61 ~ $ emacs
```

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.

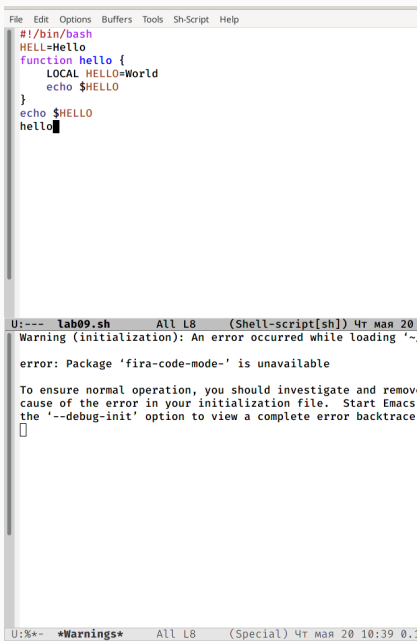
□

U:%\*- \*Warnings\* All L8 (Special) Чт мая 20 10:35 0.32

Find file: ~/lab09.sh

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

# Сохранение файла



The screenshot shows an Emacs editor window with a menu bar (File, Edit, Options, Buffers, Tools, Sh-Script, Help) and a buffer named 'lab09.sh'. The buffer contains a shell script with the following content:

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

Below the script, a status bar indicates the current line is 47. A warning message is displayed in the buffer:

```
U:--- lab09.sh All L8 (Shell-script[sh]) 47 мая 20
Warning (initialization): An error occurred while loading '~.
error: Package 'fira-code-mode-' is unavailable

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

At the bottom, another status bar shows the buffer name as '\*Warnings\*' and the line number as 47.

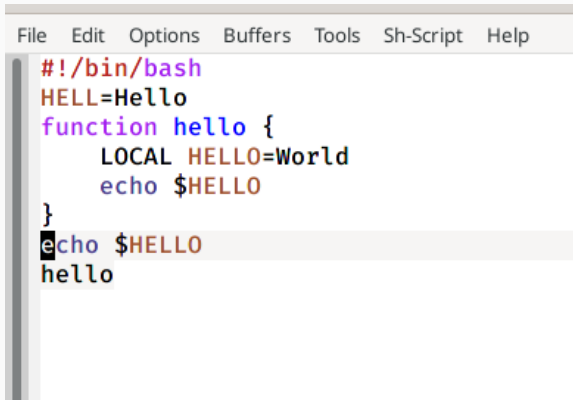


# Вырезка целой строки

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

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

## Выделение области текста

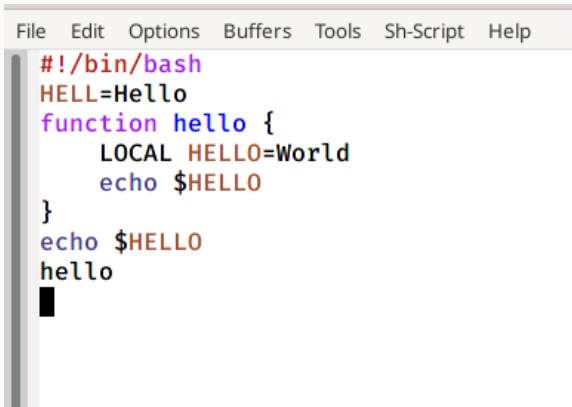


```
File Edit Options Buffers Tools Sh-Script Help
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
```

The image shows a terminal window with a menu bar at the top containing 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. Below the menu bar, a Bash script is displayed. The script starts with a shebang line, followed by a variable assignment, a function definition, and two lines of code to be executed. The line 'echo \$HELLO' is highlighted with a light gray background, and a black cursor is positioned at the start of this line.

```
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
```

## Выделение и вырезка области



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

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
```

## Перемещение курсора в начало строки

```
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
```

## Перемещение курсора в конец строки

```
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
```



## Перемещение курсора в начало буфера

```
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
```

## Перемещение курсора в конец буфера

```
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
```


# Список активных буферов

```
Urg: lab09.sh All LB [Shell-script(sh) M: max 20 18:51 0.11]
Warning (initialization): An error occurred while loading './emacs'.
error: Package 'first-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.
[]

CSN Buffer      Size Mode      File
[] = lab09.sh  136 Shell-script(sh) ~/lab09.sh
% =msg# Emacs  723 Fundamental
% =scratch#    345 Lisp Interaction
% =messages#  31928 Messages
% =Compile-Log# 261 Lisp-compile
% =errorlog#   214 Special
% =Quail Completeness# 4 Fundamental

Urg: #Messages# All LB [Special] M: max 20 18:51 0.11
Urg: #Buffer List# All LB [Buffer Menu] M: max 20 18:51 0.11
```

# Другой буфер



Welcome to GNU Emacs, one component of the GNU/Linux operating system.

[Emacs Tutorial](#) Learn basic keyboard commands (read Emacs Tutorial).  
[Emacs Guide for New Users](#) Overview of Emacs features at gnu.org.  
[View the Emacs manual online](#) View the Emacs manual online.  
[GNU Emacs comes with ABSOLUTELY NO WARRANTY](#) GNU Emacs comes with ABSOLUTELY NO WARRANTY.  
[Conditions for redistributing and changing Emacs](#) Conditions for redistributing and changing Emacs.  
[Packaging printed copies of manuals](#) Packaging printed copies of manuals.

To quit Emacs, type `Ctrl-C`. To get help, type `Ctrl-H`.

GNU Emacs 24.1.0 (FreeBSD/amd64) 32-bit, built on 2014-08-24 18:35:09 UTC

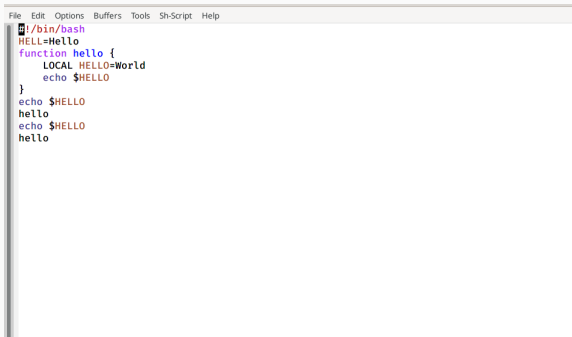
Warning (initialization): An error occurred while loading "/usr/share/emacs/24.1.0/emacs.el".

error: Package 'fire-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.

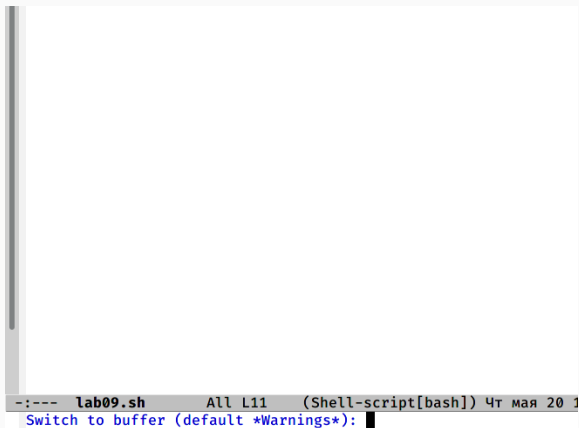
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```



```
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

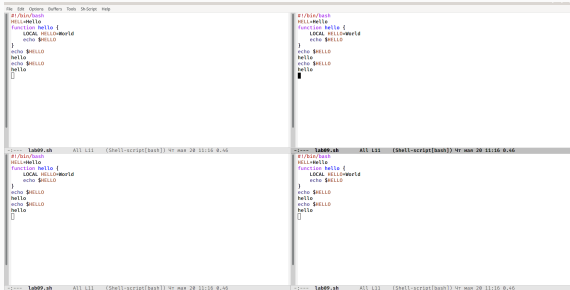


The image shows a terminal window with a dark gray title bar and a light gray background. The terminal content is as follows:

```
-- lab09.sh      All L11      (Shell-script[bash]) Чт мая 20 1
Switch to buffer (default *Warnings*):
```

The prompt "Switch to buffer (default \*Warnings\*):" is displayed in blue text, and a black cursor is positioned at the end of the line.

# 4 части фрейма



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

```
----- Tab00.sh All L11 (Shell-script[ba00]) 4r max 20 11:16 0.46
----- Tab00.sh All L11 (Shell-script[ba00]) 4r max 20 11:16 0.46
```

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

```
----- Tab00.sh All L11 (Shell-script[ba00]) 4r max 20 11:16 0.46
----- Tab00.sh All L11 (Shell-script[ba00]) 4r max 20 11:16 0.46
```

# Новый буфер с текстом

<pre>#!/bin/bash HELLO=Hello function hello {     LOCAL_HELLO=World     echo \$HELLO } echo \$HELLO hello HELLO echo \$HELLO hello I can't sleep, I've been staying up for weeks Watchin movies on my screen Total silence where I'm at But I'm praying for better days</pre>	<pre>#!/bin/bash HELLO=Hello function hello {     LOCAL_HELLO=World     echo \$HELLO } echo \$HELLO hello echo \$HELLO hello I can't sleep, I've been staying up for weeks Watchin movies on my screen Total silence where I'm at But I'm praying for better days</pre>
<pre>-- 1409.sh All L11 (Shell-script[basn]) fr max 20 11:17 0.25</pre>	<pre>-- 1409.sh All L14 (Shell-script[basn]) fr max 20 11:17 0.25</pre>
<pre>#!/bin/bash HELLO=Hello function hello {     LOCAL_HELLO=World     echo \$HELLO } echo \$HELLO hello echo \$HELLO hello I can't sleep, I've been staying up for weeks Watchin movies on my screen Total silence where I'm at But I'm praying for better days</pre>	<pre>#!/bin/bash HELLO=Hello function hello {     LOCAL_HELLO=World     echo \$HELLO } echo \$HELLO hello echo \$HELLO hello I can't sleep, I've been staying up for weeks Watchin movies on my screen Total silence where I'm at But I'm praying for better days</pre>
<pre>-- 1409.sh All L11 (Shell-script[basn]) fr max 20 11:17 0.25</pre>	<pre>-- 1409.sh All L11 (Shell-script[basn]) fr max 20 11:17 0.25</pre>



```
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better days
```

# Переключение между результатами



The screenshot shows a terminal window with a search bar at the top. The search bar contains the text "hello" and a magnifying glass icon. Below the search bar, there are four search results, each showing a snippet of a shell script. The first result is titled "hello" and shows a function definition. The second result is titled "hello" and shows a function definition. The third result is titled "hello" and shows a function definition. The fourth result is titled "hello" and shows a function definition. The search results are displayed in a list format with a search bar at the top.

```
#!/bin/bash
HELLO=hello
function hello {
    LOCAL HELLO=world
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better [1]
```

```
#!/bin/bash
HELLO=hello
function hello {
    LOCAL HELLO=world
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better [1]
```

```
#!/bin/bash
HELLO=hello
function hello {
    LOCAL HELLO=world
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better [1]
```

```
#!/bin/bash
HELLO=hello
function hello {
    LOCAL HELLO=world
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better [1]
```

# Выход из режима поиска

```
File Edit Format Buffers Tools ShellScript Help
#!/bin/bash
HELLO=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better days

*** 10000.sh All L11 [Shell-script[10000]] Fri Mar 28 11:28 8.39
#!/bin/bash
HELLO=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better days

*** 10000.sh All L14 [Shell-script[10000]] Fri Mar 28 11:28 8.39
#!/bin/bash
HELLO=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better days
```

# Режим поиска и замены

```
~ % cat /tmp/hello_world.sh > /tmp/hello_world.sh
#!/bin/bash
HELLO=hello
function hello {
    LOCAL_HELLO=world
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better days

~ % cat /tmp/hello_world.sh > /tmp/hello_world.sh
#!/bin/bash
HELLO=hello
function hello {
    LOCAL_HELLO=world
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better days

~ % cat /tmp/hello_world.sh > /tmp/hello_world.sh
#!/bin/bash
HELLO=hello
function hello {
    LOCAL_HELLO=world
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better days

~ % cat /tmp/hello_world.sh > /tmp/hello_world.sh
#!/bin/bash
HELLO=hello
function hello {
    LOCAL_HELLO=world
    echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
I can't sleep, I've been staying up for weeks
Watchin movies on my screen
Total silence where I'm at
But I'm praying for better days
```

## Другой режим поиска

```
--:--- lab09.sh      All L6      (Shell-script[sh]) Чт мая 20 11:45 0.30
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
[Copying 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 27.1 (build 1, x86_64-pc-linux-gnu, GTK+ Version 3.24.22, cairo version 1.16.0)
of 2021-01-11
Copyright (C) 2020 Free Software Foundation, Inc.

[Dismiss this startup screen] ☐ Never show it again.

U:%%- *GNU Emacs*      All L3      (Fundamental) Чт мая 20 11:45 0.30
Search: ol
```

## Другой режим поиска

```
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
I cAn't sleep, I've been stAying up for weeks
WATchin movies on my screen
TotAl silence where I'm At
But I'm prAying for better dAys
```

Я познакомилась с операционной системой Linux и получила практические навыки работы с редактором Emacs.