

# Редактор Emacs

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# Цели и задачи работы

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## Цель лабораторной работы

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

1 Изучить возможности редактора Emacs

# **Процесс выполнения лабораторной работы**

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# Выполнение работы

## 1. Откроем Emacs.

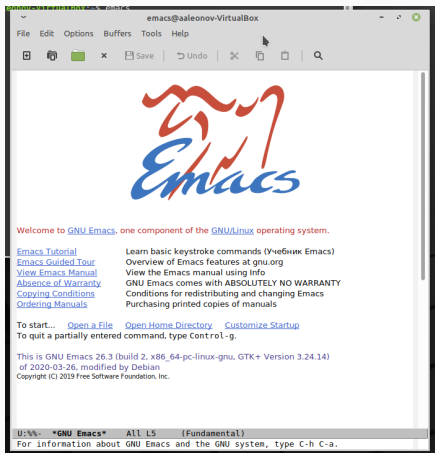
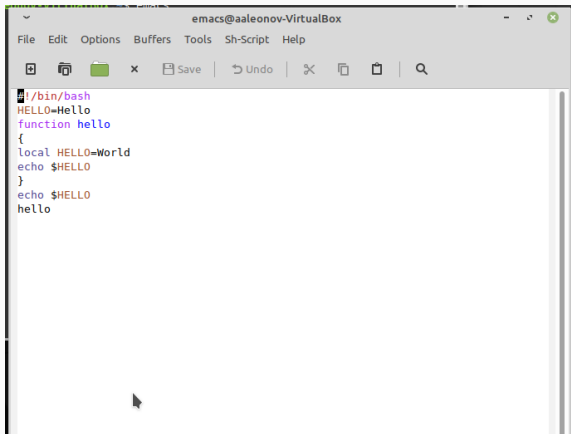


Figure 1: Запуск Emacs

# Выполнение работы

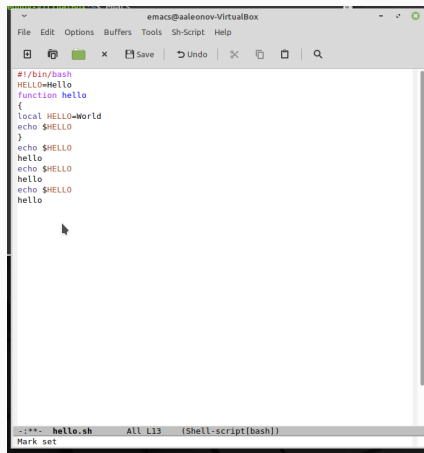


The image shows a screenshot of an Emacs editor window titled "emacs@aaleonov-VirtualBox". The window has a menu bar with "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu bar is a toolbar with icons for creating a new file, opening a file, saving, undo, redo, and search. The main text area contains a shell script with the following content:

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

Figure 2: Новый файл

# Выполнение работы



The screenshot shows an Emacs editor window titled "emacs@aaleonov-VirtualBox". 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:

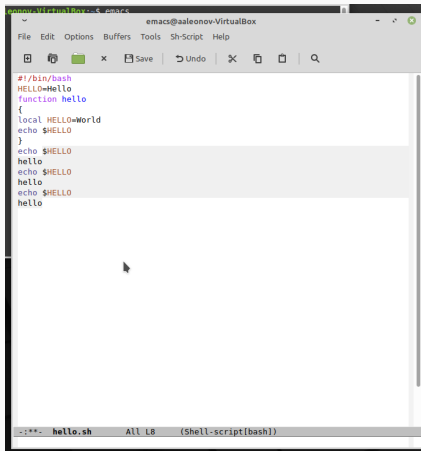
```
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
echo $HELLO
hello
echo $HELLO
hello
```

The status bar at the bottom indicates the current file is "hello.sh", the cursor is at "All L13", and the buffer is "(Shell-script(bash))". The text "Mark set" is visible in the status bar.

**Figure 3:** Операция вставка



# Выполнение работы



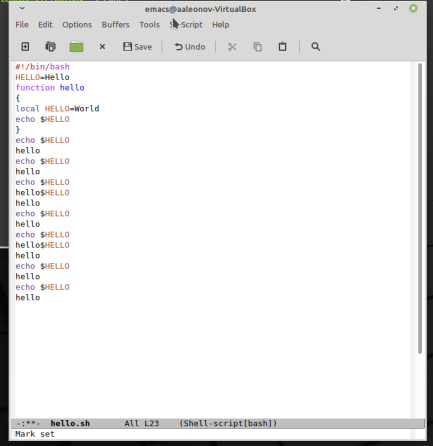
The screenshot shows an Emacs editor window titled "emacs@aaleonov-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

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

A light gray rectangular highlight is applied to the lines from "echo \$HELLO" to "echo \$HELLO". The status bar at the bottom indicates the current buffer is "hello.sh" and the cursor is at "All L8 (Shell-script[bash])".

**Figure 4:** Выделение блока

# Выполнение работы



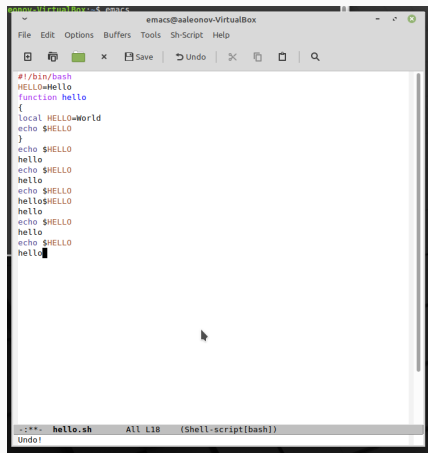
The screenshot shows an Emacs editor window titled 'emacs@aaleonov-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Script', and 'Help'. The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

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

The status bar at the bottom indicates the current file is 'hello.sh', line 12, column 23, and the buffer is '(Shell-script[bash])'. The text 'Mark set' is visible in the status bar.

Figure 5: Копирование блока

# Выполнение работы



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

Emacs@aaeonov-VirtualBox

File Edit Options Buffers Tools Sh-Script Help

Save Undo

hello.sh All L18 (Shell-script[bash])

Undo!

Figure 6: Удаление блока

# Выполнение работы

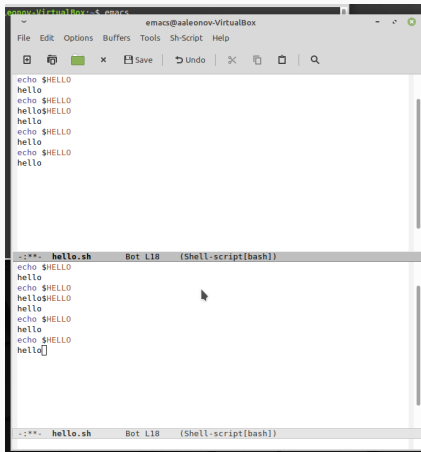
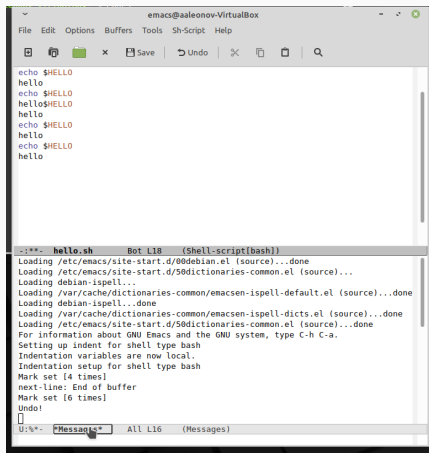


Figure 7: Горизонтальное разделение

# Выполнение работы



The screenshot shows the Emacs editor interface within a VirtualBox window titled 'emacs@aaleonov-VirtualBox'. 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 the output of a script named 'hello.sh', which repeatedly prints 'hello' and '\$HELLO'. The status bar at the bottom indicates the current buffer is 'hello.sh' and the line is 'Bot L18 (Shell-script(bash))'. A mouse cursor is positioned over the 'Messages' buffer name in the status bar, which is highlighted with a red box.

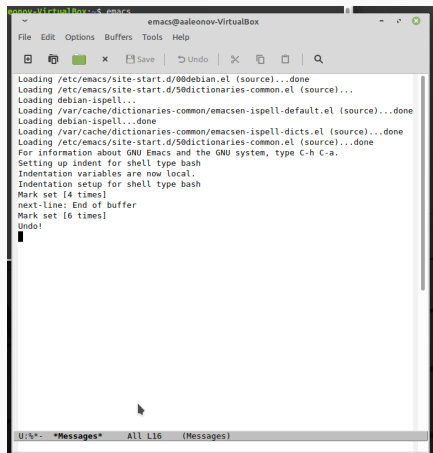
```
emacs@aaleonov-VirtualBox
File Edit Options Buffers Tools Sh-Script Help

echo $HELLO
hello
echo $HELLO
hello$HELLO
hello
echo $HELLO
hello
echo $HELLO
hello

-:***- hello.sh Bot L18 (Shell-script(bash))
Loading /etc/emacs/site-start.d/00debian.el (source)...done
Loading /etc/emacs/site-start.d/50dictionaries-common.el (source)...
Loading debian-ispell...
Loading /var/cache/dictionaries-common/enacsen-ispell-default.el (source)...done
Loading debian-ispell...done
Loading /var/cache/dictionaries-common/enacsen-ispell-dicts.el (source)...done
Loading /etc/emacs/site-start.d/50dictionaries-common.el (source)...done
For information about GNU Emacs and the GNU system, type C-h C-a.
Setting up indent for shell type bash
Indentation variables are now local.
Indentation setup for shell type bash
Mark set [4 times]
next-line: End of buffer
Mark set [6 times]
Undo!
U:~*~ *Messages* All L16 (Messages)
```

Figure 8: Переключение буфера

# Выполнение работы



```
emacs@aalonov-VirtualBox
File Edit Options Buffers Tools Help

Loading /etc/emacs/site-start.d/00debian.el (source)...done
Loading /etc/emacs/site-start.d/50dictionaries-common.el (source)...
Loading debian-ispell...
Loading /var/cache/dictionaries-common/emacsen-ispell-default.el (source)...done
Loading debian-ispell...done
Loading /var/cache/dictionaries-common/emacsen-ispell-dicts.el (source)...done
Loading /etc/emacs/site-start.d/50dictionaries-common.el (source)...done
For information about GNU Emacs and the GNU system, type C-h C-a.
Setting up indent for shell type bash
Indentation variables are now local.
Indentation setup for shell type bash
Mark set [4 times]
next-line: End of buffer
Mark set [6 times]
Undo!
█

U:%*- *Messages* All L16 (Messages)
```

Figure 9: Закроем буфер

# Выполнение работы

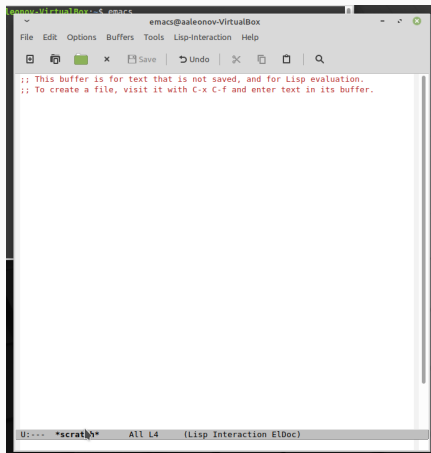


Figure 10: Переключение буфера

# Выполнение работы

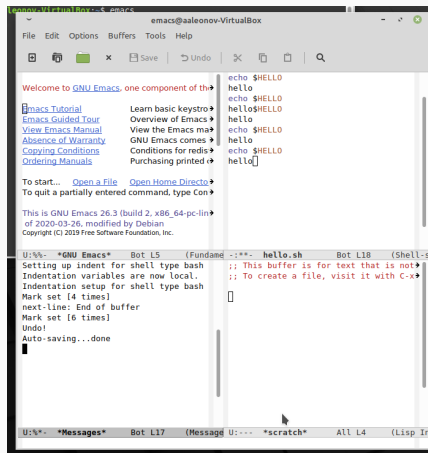
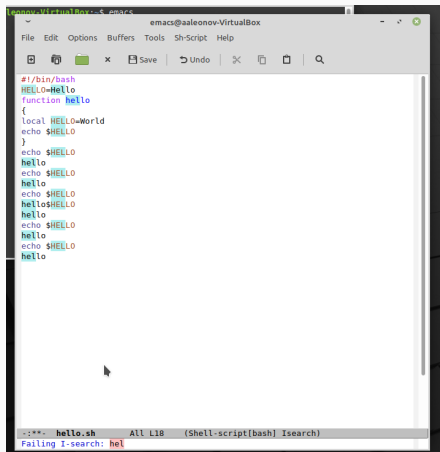


Figure 11: Четыре буфера



# Выполнение работы



The screenshot shows the Emacs editor interface with a menu bar (File, Edit, Options, Buffers, Tools, Sh-Script, Help) and a toolbar. The main text area contains a shell script with the following content:

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

At the bottom, the status bar indicates the search mode: `::*- hello.sh All L18 (Shell-script[bash] Isearch)`. The search string `Failing I-search: hel` is visible in the status bar.

Figure 12: Режим поиска

## **Выводы по проделанной работе**

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В данной работе мы познакомились с еще одним редактором операционной системой Linux. Получили практические навыки работы с редактором Emacs.