

# 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.

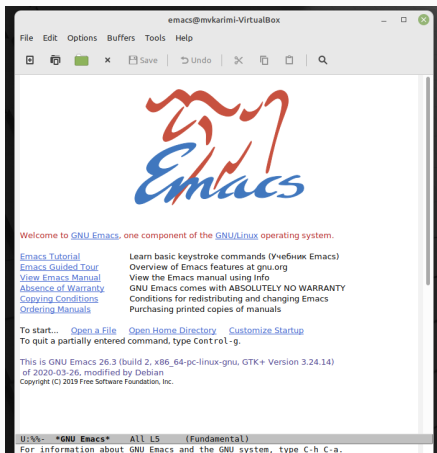
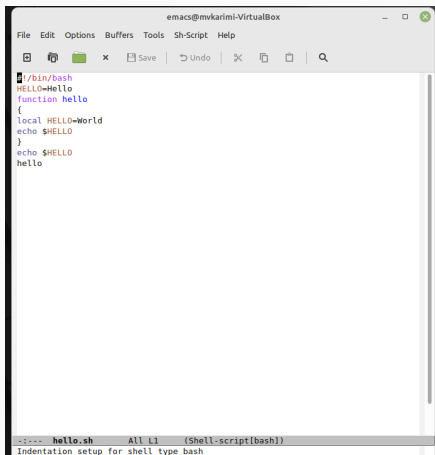


Figure 1: Запуск Emacs

# Выполнение работы



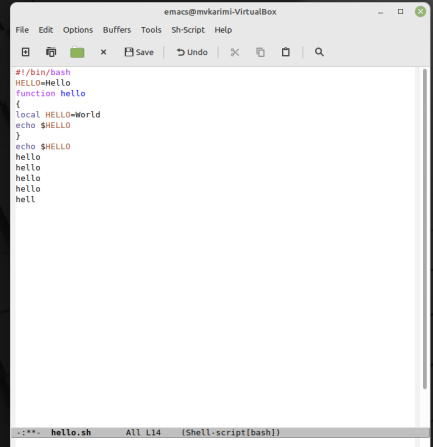
The screenshot shows the Emacs editor interface within a VirtualBox window titled 'emacs@mvkarimi-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for file operations and editing. The main text area displays the following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

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

The status bar at the bottom indicates the current file is 'hello.sh', the line is 'All L1', and the shell type is '(Shell-script{bash})'. A message 'Indentation setup for shell type bash' is also visible.

Figure 2: Новый файл

# Выполнение работы



The screenshot shows an Emacs editor window titled "emacs@mvkarimi-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:

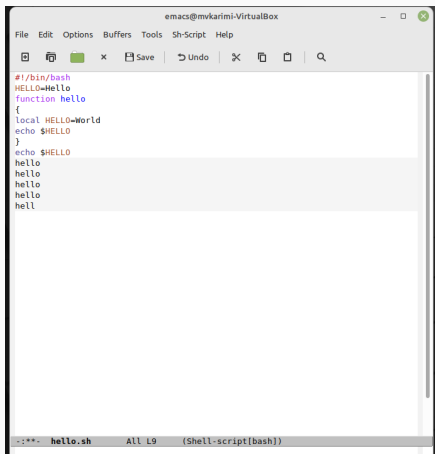
```
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
hello
hello
hell
```

The status bar at the bottom indicates the current file is "hello.sh", the cursor is at "All L14", and the buffer is "(Shell-script{bash})".

**Figure 3:** Операция вставка



# Выполнение работы



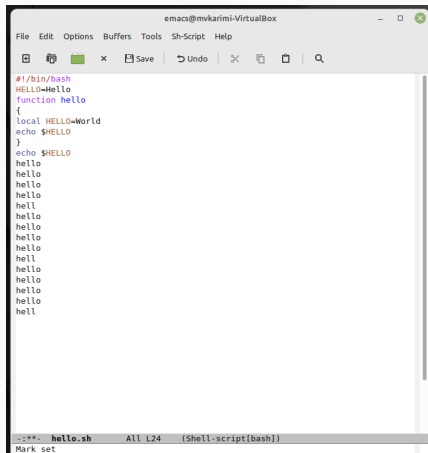
The image shows a screenshot of an Emacs editor window titled "emacs@mvkarimi-VirtualBox". The window has a menu bar with "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains a shell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

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

The lines "hello", "hello", "hello", and "hello" are highlighted in a light gray background. The status bar at the bottom of the window displays ".\*\*- hello.sh All L9 (Shell-script[bash])".

Figure 4: Выделение блока

# Выполнение работы



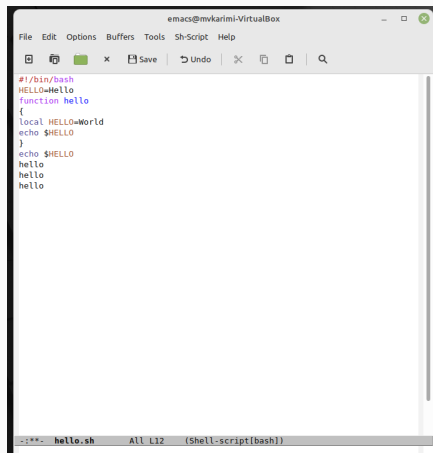
The image shows a screenshot of an Emacs editor window titled "emacs@mvkarimi-VirtualBox". The window has a menu bar with "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains a shell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

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

At the bottom of the window, a status bar displays ".\*.\*- hello.sh All L24 (Shell-script[bash])" and "Mark set".

Figure 5: Копирование блока

# Выполнение работы



The image shows a screenshot of the Emacs text editor running inside a VirtualBox environment. The window title is "emacs@mvkarimi-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:

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

The status bar at the bottom shows the file name "hello.sh", the current line "All 12", and the shell mode "(Shell-script(bash))".

**Figure 6:** Удаление блока

# Выполнение работы

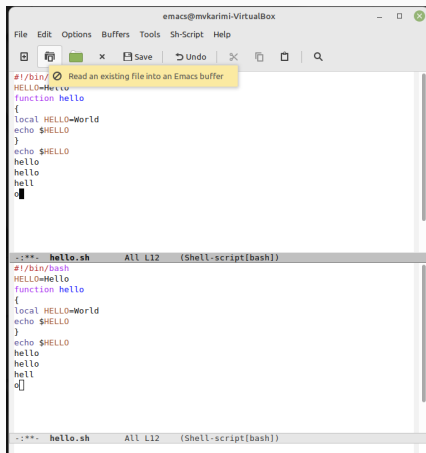
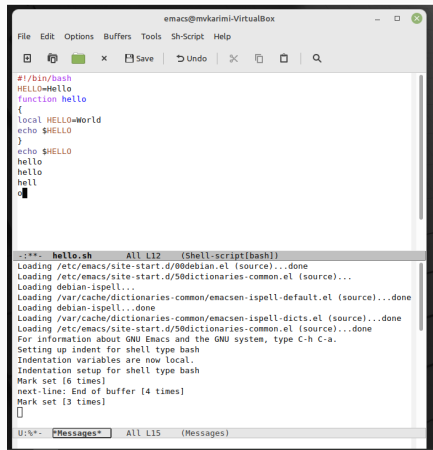


Figure 7: Горизонтальное разделение

# Выполнение работы



The screenshot shows the Emacs editor window titled 'emacs@mvkarimi-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 named 'hello.sh' with the following content:

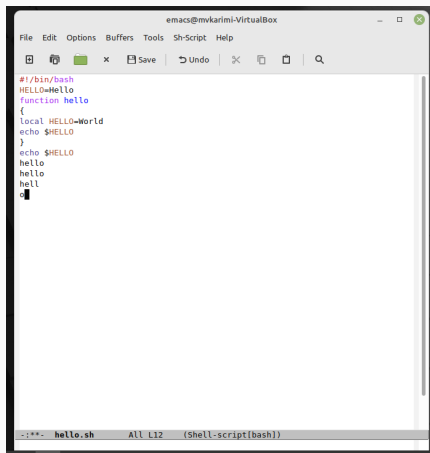
```
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
hell
o
```

Below the script, the output of the script execution is shown in a separate buffer titled '\*Messages\*' (Messages). The output includes the following text:

```
.:*- hello.sh All L12 (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/emacs-en-ispell-default.el (source)...done
Loading debian-ispell...done
Loading /var/cache/dictionaries-common/emacs-en-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 [6 times]
next-line: End of buffer [4 times]
Mark set [3 times]
```

Figure 8: Переключение буфера

# Выполнение работы

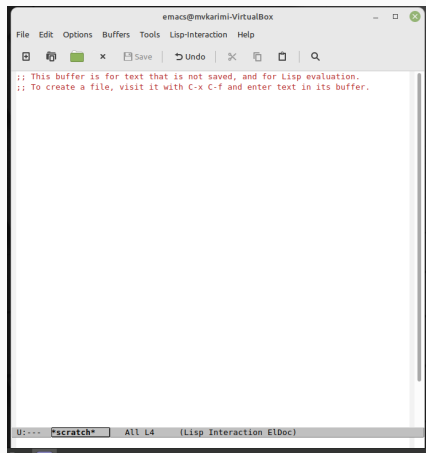


```
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
hell
o
```

Emacs status bar: -:\*\*\*- hello.sh All L12 (Shell-script[bash])

Figure 9: Закроем буфер

# Выполнение работы



**Figure 10:** Переключение буфера

# Выполнение работы

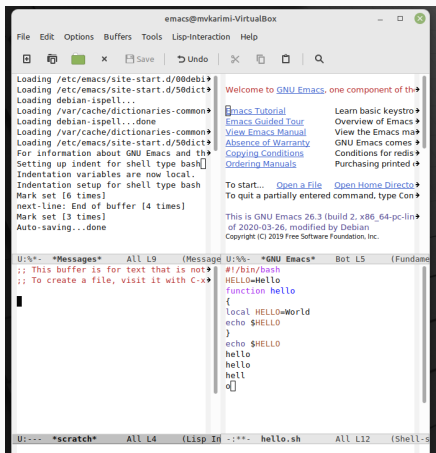


Figure 11: Четыре буфера



# Выполнение работы

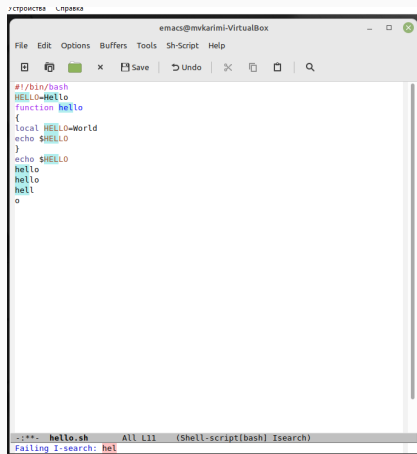


Figure 12: Режим поиска

## **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.