

Редактор Emacs

Фарида Гулиева НКНбд 01-21¹

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¹Российский Университет Дружбы Народов

Цели и задачи работы

Цель лабораторной работы

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

1 Изучить возможности редактора Emacs

Процесс выполнения лабораторной работы

Выполнение работы

1. Откроем Emacs.

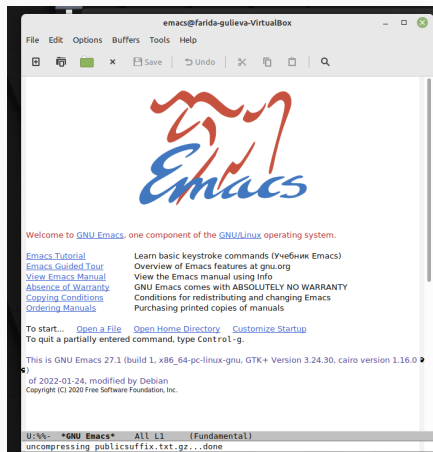
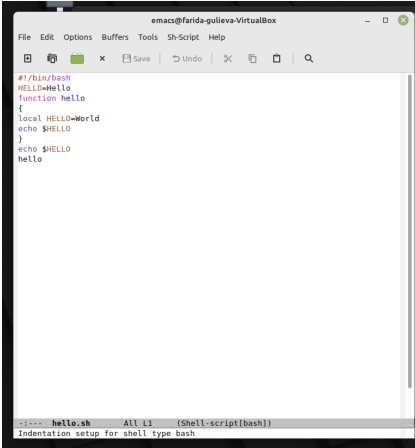


Figure 1: Запуск Emacs

Выполнение работы



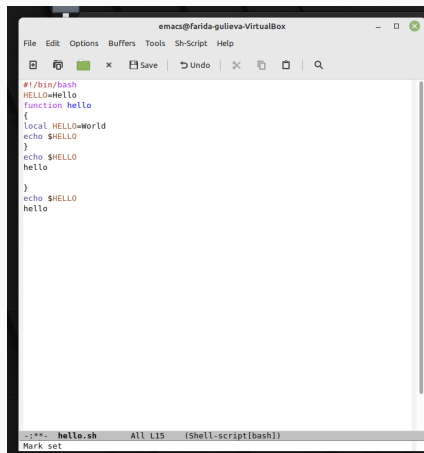
The screenshot shows the Emacs editor interface within a VirtualBox window titled 'emacs@Farida-gulieva-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for file operations and editing. The main text area displays a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

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

The status bar at the bottom indicates the file is 'hello.sh', line 11, column 1, and is a shell script for 'bash'. It also shows 'Indentation setup for shell type bash'.

Figure 2: Новый файл

Выполнение работы



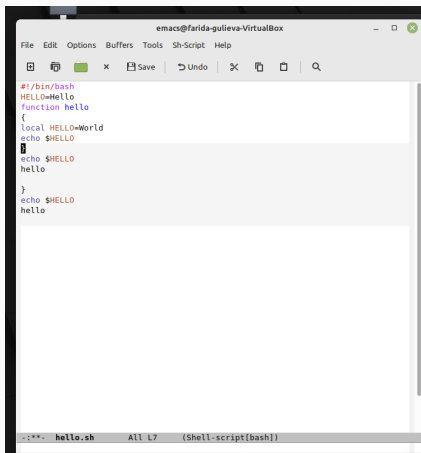
The image shows a screenshot of the Emacs editor window titled "emacs@Farida-gulieva-VirtualBox". The window has a menu bar with "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains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

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

At the bottom of the window, there is a status bar showing ".**- hello.sh All L15 (Shell-script(bash))" and "Mark set".

Figure 3: Операция вставка

Выполнение работы



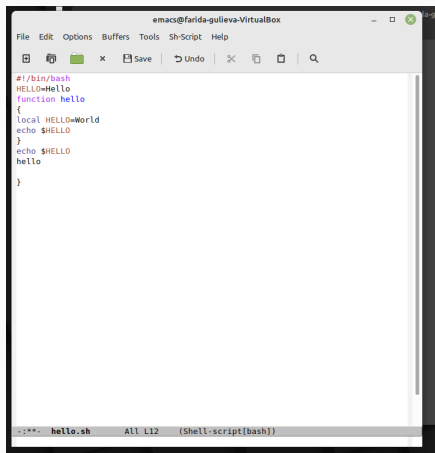
The screenshot shows the Emacs editor window titled "emacs@farida-gulieva-VirtualBox". The menu bar includes File, Edit, Options, Buffers, Tools, Sh-Script, and Help. The toolbar contains icons for file operations and editing. The editor buffer displays a shell script with the following content:

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

A light gray rectangular highlight is visible over the lines 4 through 8 of the script, indicating a selected block of code. The status bar at the bottom shows ".*.*. hello.sh All L7 (Shell-script{bash})".

Figure 4: Выделение блока

Выполнение работы



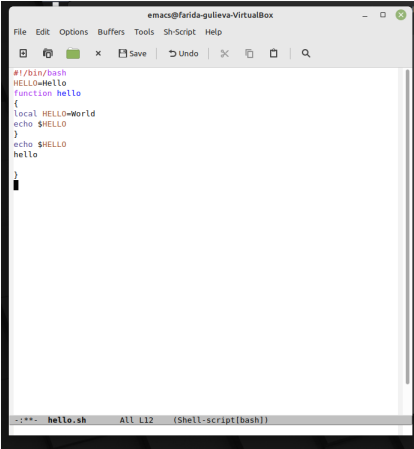
The image shows a screenshot of an Emacs editor window titled "emacs@farida-gulleeva-VirtualBox". The window has a menu bar with "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains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

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

At the bottom of the window, a status bar shows ";;*- hello.sh All L12 (Shell-script[bash])".

Figure 5: Копирование блока

Выполнение работы



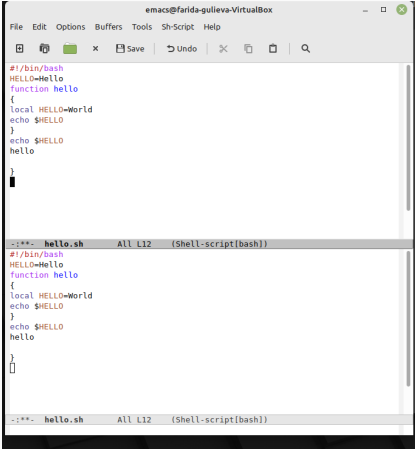
The screenshot shows an Emacs editor window titled "emacs@farida-gulieva-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for opening files, saving, undo, redo, and search. The main text area contains the following shell script:

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

The status bar at the bottom displays ".*- hello.sh All L12 (Shell-script[bash])".

Figure 6: Удаление блока

Выполнение работы



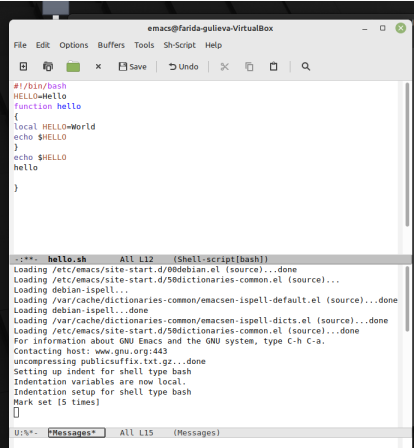
The screenshot shows the Emacs editor window titled "emacs@farida-gulieva-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main editing area is split horizontally into two panes, both displaying the same shell script:

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

Each pane has a status bar at the bottom showing "hello.sh", "All L12", and "(Shell-script(bash))".

Figure 7: Горизонтальное разделение

Выполнение работы



The screenshot shows an Emacs window titled "emacs@farida-gulieva-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
}
```

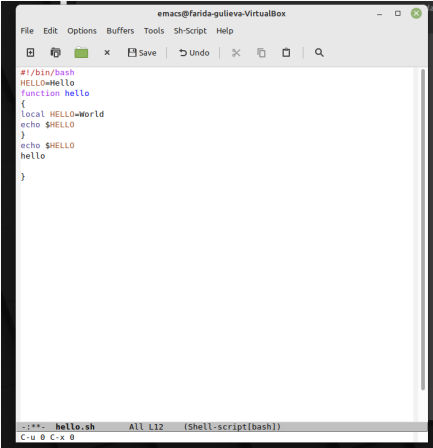
Below the script, the output of running it is shown:

```
~:***- 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.
Contacting host: www.gnu.org:443
uncompressing publicsuffix.txt.gz...done
Setting up indent for shell type bash
Indentation variables are now local.
Indentation setup for shell type bash
Mark set [5 times]
[]
```

The status bar at the bottom indicates "U: %*- Messages* All L15 (Messages)".

Figure 8: Переключение буфера

Выполнение работы

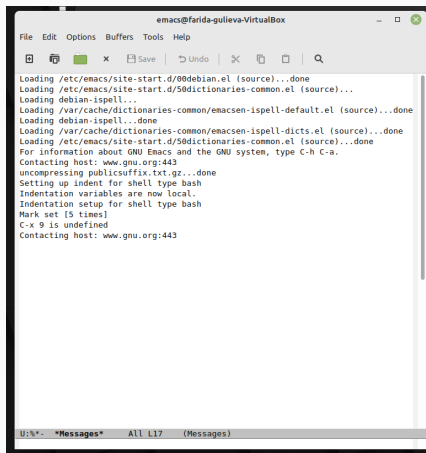
A screenshot of an Emacs editor window titled 'emacs@farida-gulieva-VirtualBox'. The window has a menu bar with 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains a shell script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

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

The status bar at the bottom of the window displays ' -*- hello.sh All 112 (shell-script(bash))' and 'C-u 0 C-x 0'.

Figure 9: Закроем буфер

Выполнение работы



```
emacs@farida-gulieva-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/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.
Contacting host: www.gnu.org:443
uncompressing publicsuffix.txt.gz...done
Setting up indent for shell type bash
Indentation variables are now local.
Indentation setup for shell type bash
Mark set [5 times]
C-x 9 is undefined
Contacting host: www.gnu.org:443

U:%*- *Messages* All L17 (Messages)
```

Figure 10: Переключение буфера

Выполнение работы

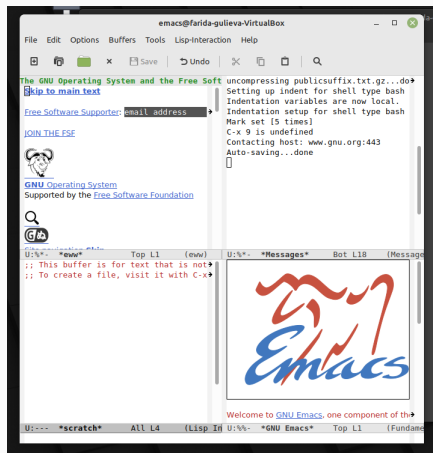


Figure 11: Четыре буфера

Выполнение работы

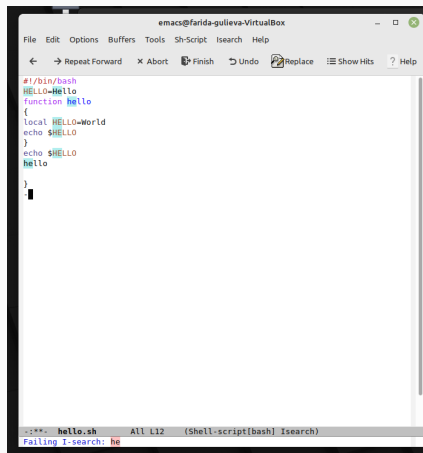


Figure 12: Режим поиска

Выводы по проделанной работе

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