

Редактор Emacs

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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.

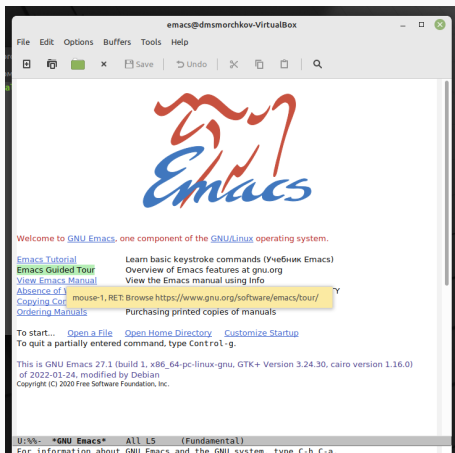
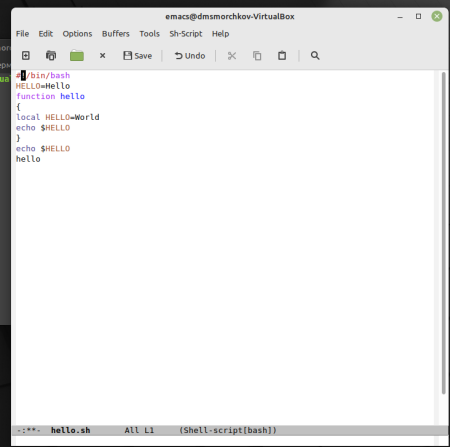


Figure 1: Запуск Emacs

Выполнение работы



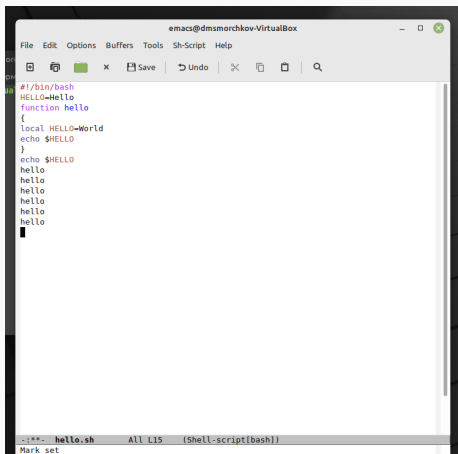
The image shows a screenshot of the Emacs editor window titled "emacs@dmsmorchkov-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script with the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

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

The status bar at the bottom indicates the current file is "hello.sh", the cursor is at "All L1", and the mode is "(Shell-script[bash])".

Figure 2: Новый файл

Выполнение работы

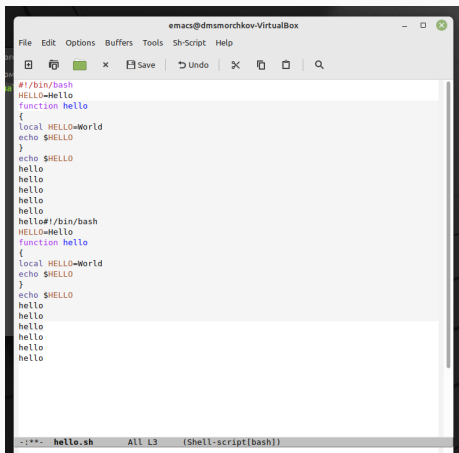


```
emacs@dmsmorchkov-VirtualBox
File Edit Options Buffers Tools Sh-Script Help
[Icons] Save Undo [Icons]
#!/bin/bash
HELLO=Hello
function hello
{
    local HELLO=World
    echo $HELLO
}
echo $HELLO
hello
hello
hello
hello
hello
hello
```

~:*** hello.sh All L15 (Shell-script(bash))
Mark set

Figure 3: Операция вставка

Выполнение работы



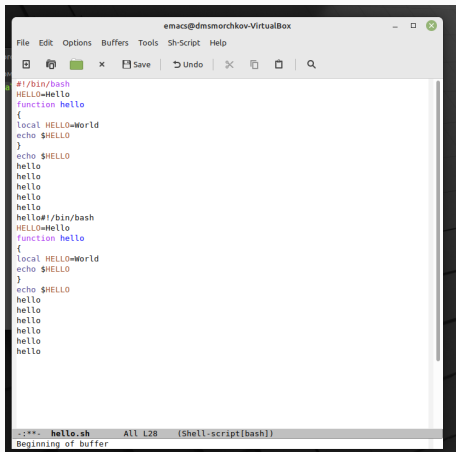
The screenshot shows an Emacs editor window titled "emacs@dmsmorchkov-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

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

The block of code from the first "function hello" to the second "hello" is highlighted in light blue. The status bar at the bottom shows ".*:~: hello.sh All L3 (Shell-script(bash))".

Figure 4: Выделение блока

Выполнение работы



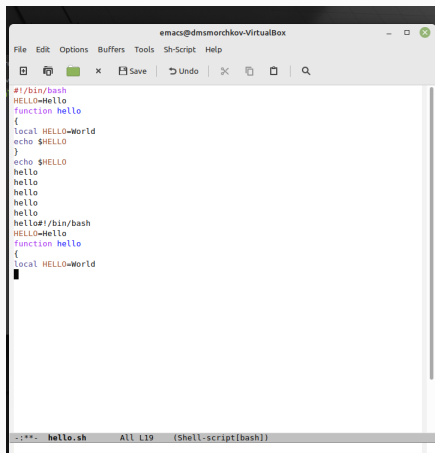
```
emacs@dmsmorchkov-VirtualBox
File Edit Options Buffers Tools Sh-Script Help

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

...:~*~ hello.sh All L28 (Shell-script[bash])
Beginning of buffer
```

Figure 5: Копирование блока

Выполнение работы



The screenshot shows an Emacs editor window titled "emacs@dmsmorchkov-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
hello
hello
hello#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
```

The status bar at the bottom indicates the current file is "hello.sh", the cursor is at line 19, and the buffer is "(Shell-script[bash])".

Figure 6: Удаление блока

Выполнение работы

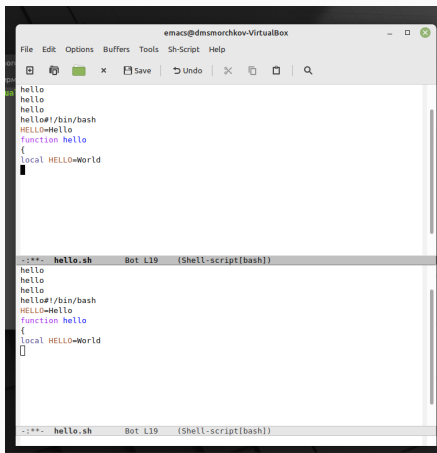
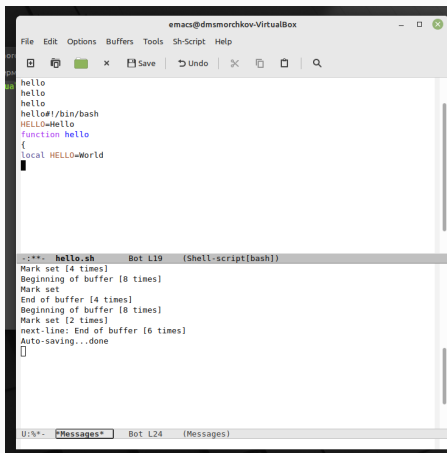


Figure 7: Горизонтальное разделение

Выполнение работы



The screenshot shows an Emacs editor window titled "emacs@dmsmorchkov-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 contains a shell script:

```
hello
hello
hello
hello#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  |
```

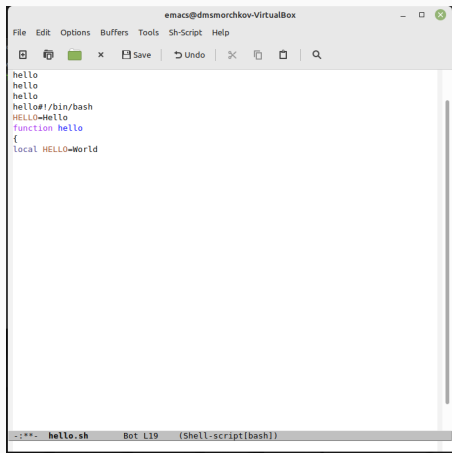
Below the script, the output of the script execution is shown in a separate buffer, titled "hello.sh Bot L19 (Shell-script[bash])". The output is:

```
Mark set [4 times]
Beginning of buffer [8 times]
Mark set
End of buffer [4 times]
Beginning of buffer [8 times]
Mark set [2 times]
next-line: End of buffer [6 times]
Auto-saving...done
|
```

At the bottom of the window, the status bar shows "U: %*- Messages* Bot L24 (Messages)".

Figure 8: Переключение буфера

Выполнение работы

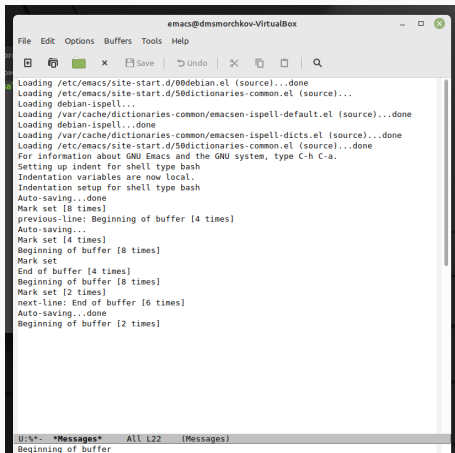


```
emacs@dmsmorchkov-VirtualBox
File Edit Options Buffers Tools Sh-Script Help
[Icons] Save Undo [Icons]
hello
hello
hello
hello!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
}
```

--*- hello.sh Bot L19 (Shell-script[bash])

Figure 9: Закроем буфер

Выполнение работы



The screenshot shows the Emacs editor window titled "emacs@dmsmorchkov-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", and "Help". The toolbar contains icons for saving, undo, redo, and search. The main text area displays the following output:

```
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
Auto-saving...done
Mark set [8 times]
previous-line: Beginning of buffer [4 times]
Auto-saving...
Mark set [4 times]
Beginning of buffer [8 times]
Mark set
End of buffer [4 times]
Beginning of buffer [8 times]
Mark set [2 times]
next-line: End of buffer [6 times]
Auto-saving...done
Beginning of buffer [2 times]
```

The status bar at the bottom shows "U:~*Messages* All L22 (Messages)" and "Beginning of buffer".

Figure 10: Переключение буфера

Выполнение работы

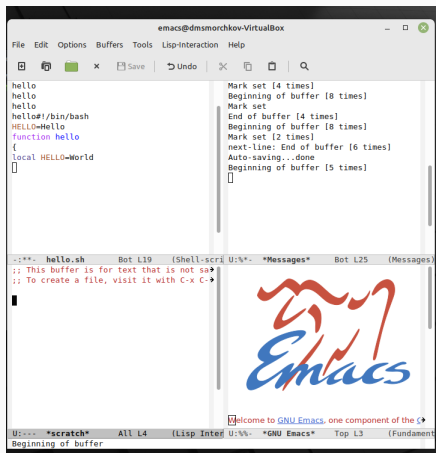


Figure 11: Четыре буфера

Выполнение работы

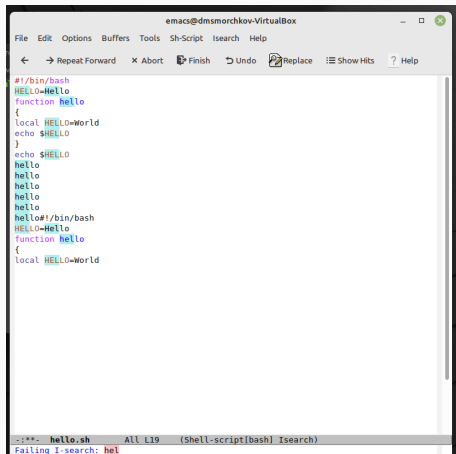


Figure 12: Режим поиска

Выводы по проделанной работе

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