

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.

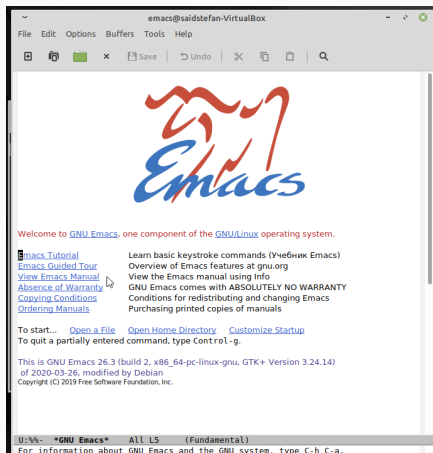
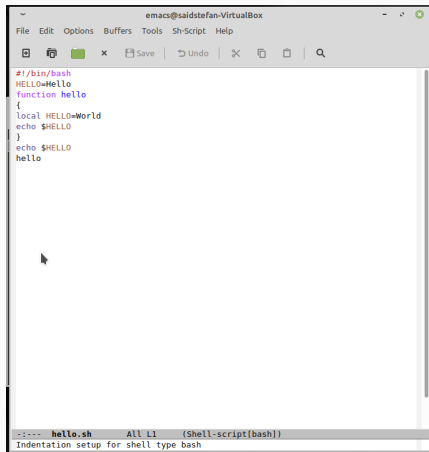


Figure 1: Запуск Emacs

Выполнение работы



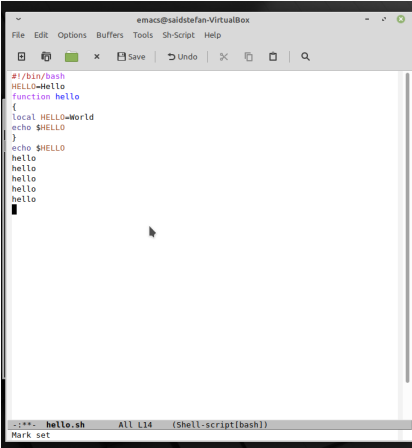
The screenshot shows an Emacs editor window titled 'emacs@saidstefan-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for file operations and editing. The main text area displays the following code:

```
#!/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', has 'All 11' lines, and is '(Shell-script(bash))'. It also shows 'Indentation setup for shell type bash'.

Figure 2: Новый файл

Выполнение работы



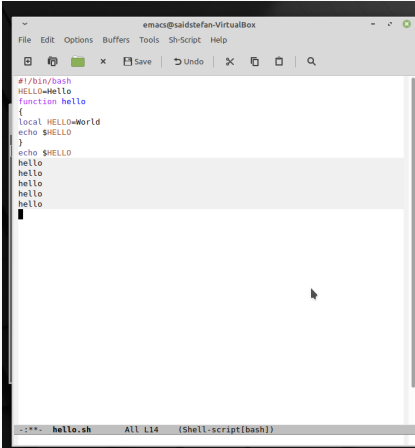
The screenshot shows an Emacs editor window titled "emacs@saidstefan-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

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

The status bar at the bottom indicates the current buffer is "hello.sh", the cursor is at line 14, and the mode is "(Shell-script(bash))". The text "Mark set" is also visible in the status bar.

Figure 3: Операция вставка

Выполнение работы



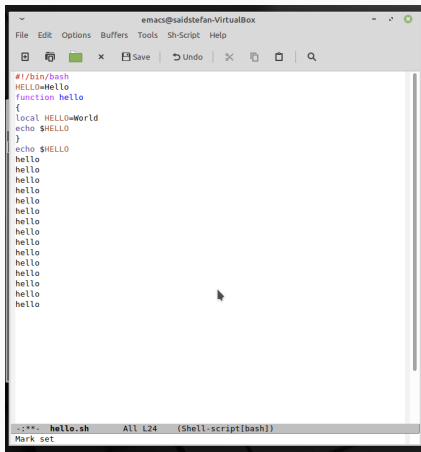
The screenshot shows an Emacs editor window titled "emacs@saldstefan-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The editor displays a shell script with the following content:

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

A light gray rectangular highlight covers the lines from "hello" to the final "hello". The status bar at the bottom indicates the file is "hello.sh", line 14, and the buffer is "(Shell-script(bash))".

Figure 4: Выделение блока

Выполнение работы



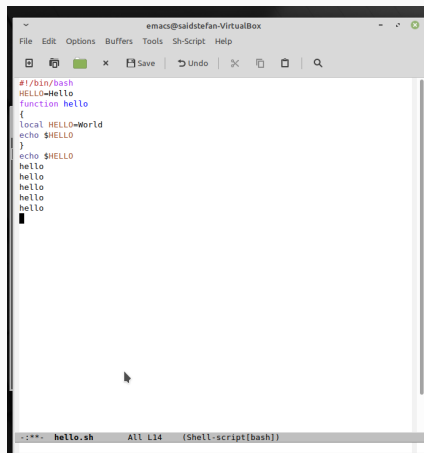
```
emac@saidstefan-VirtualBox
File Edit Options Buffers Tools Sh-Script Help

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

*** hello.sh All L24 (Shell-script[bash])
Mark set

Figure 5: Копирование блока

Выполнение работы



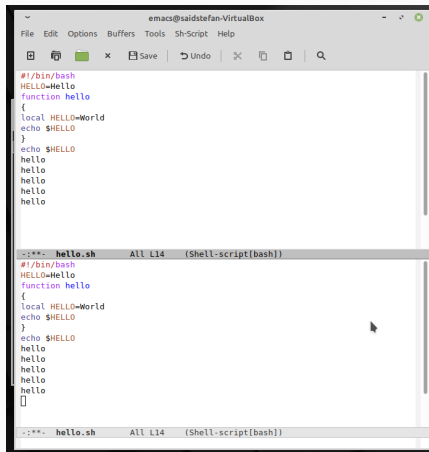
The screenshot shows the Emacs editor window titled "emacs@saidstefan-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for opening files, saving, undo, redo, and search. The main text area displays a shell script with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

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

The status bar at the bottom indicates the current buffer is "hello.sh", the cursor is at line 14, and the shell is "(Shell-script(bash))".

Figure 6: Удаление блока

Выполнение работы



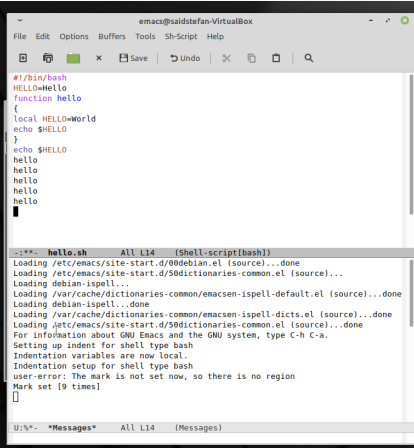
The screenshot shows the Emacs editor window titled 'emacs@saidstefan-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for file operations and editing. The main editing area is split horizontally into two panes. Both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

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

 The status bar at the bottom of each pane indicates the file is 'hello.sh', the cursor is at 'All L14', and the buffer is '(Shell-script(bash))'.

Figure 7: Горизонтальное разделение

Выполнение работы



The screenshot shows the Emacs editor interface with a window titled 'emacs@saidstefan-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
hello
hello
hello
```

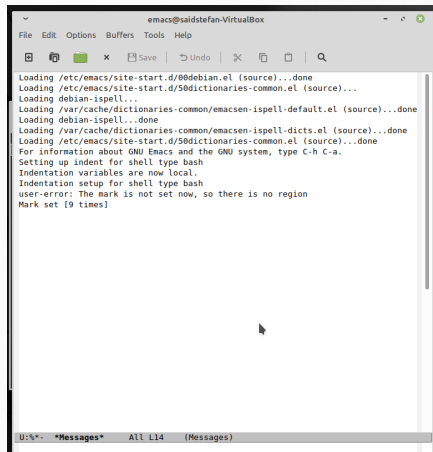
Below the script, the output of the script is shown in a separate buffer titled 'hello.sh' (Shell-script{bash}):

```
Loading /etc/enacs/site-start.d/00debian.el (source)...done
Loading /etc/enacs/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/enacs/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
user-error: The mark is not set now, so there is no region
Mark set [9 times]
```

At the bottom, a status bar shows 'U:%*- *Messages*' (Messages).

Figure 8: Переключение буфера

Выполнение работы



```
emacs@saidstefan-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
user-error: The mark is not set now, so there is no region
Mark set [9 times]
```

U:%*~ *Messages* All L14 (Messages)

Figure 9: Закроем буфер

Выполнение работы

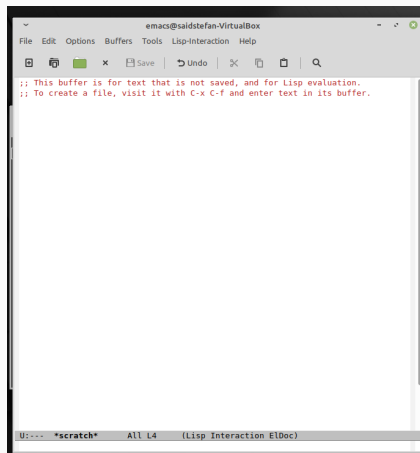


Figure 10: Переключение буфера

Выполнение работы

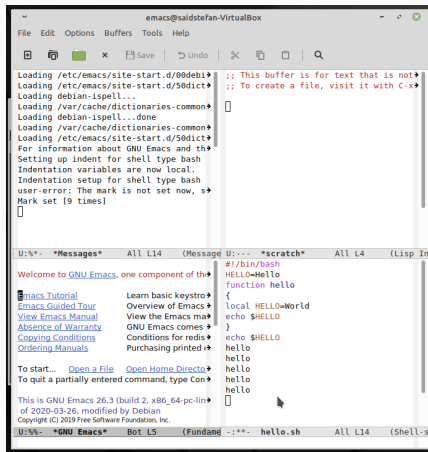
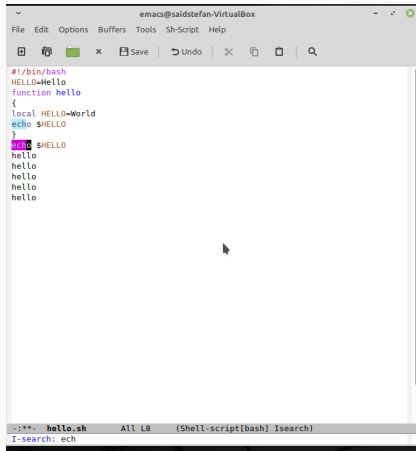


Figure 11: Четыре буфера

Выполнение работы



The screenshot shows the Emacs editor window titled "emacs@saidstefan-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
}
hello $HELLO
hello
hello
hello
hello
hello
```

The word "hello" on the line "hello \$HELLO" is highlighted in pink, indicating it is the current search match. The status bar at the bottom shows ".*:*. hello.sh All L8 (Shell-script[bash] Isearch)" and "I-search: ech".

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.