

Редактор Emacs

Горюнов Максим НБИбд-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.

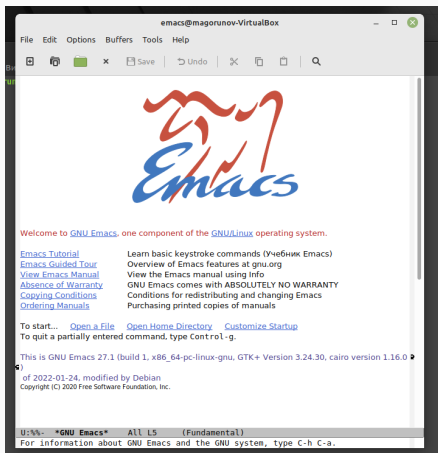
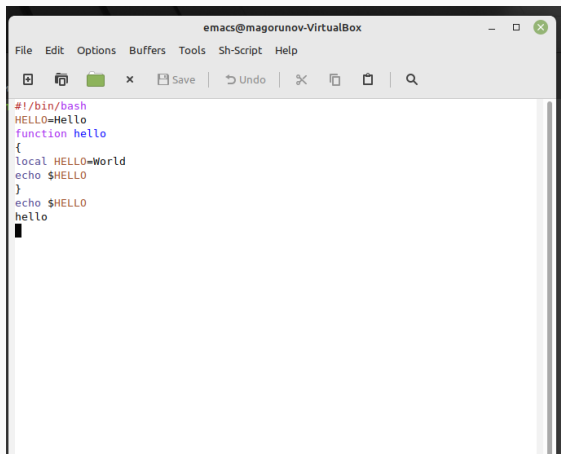


Figure 1: Запуск Emacs

Выполнение работы

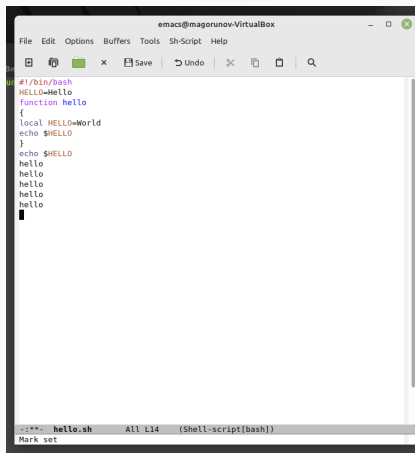
A screenshot of the Emacs editor window titled 'emacs@magorunov-VirtualBox'. The window has a menu bar with 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains a bash script with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

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

The cursor is positioned at the end of the last line, 'hello'.

Figure 2: Новый файл

Выполнение работы

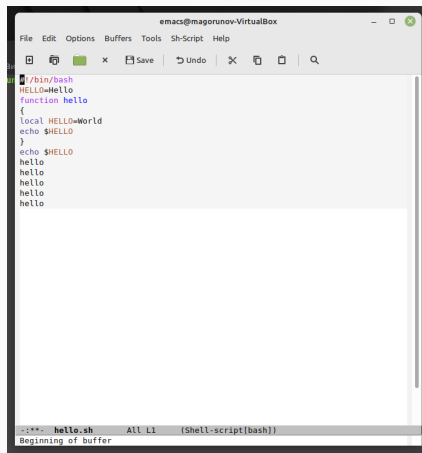


```
emacs@magorunov-VirtualBox
File Edit Options Buffers Tools Sh-Script Help
x Save Undo
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
hello
hello
hello
```

hello.sh All L14 (Shell-script(bash))
Mark set

Figure 3: Операция вставка

Выполнение работы

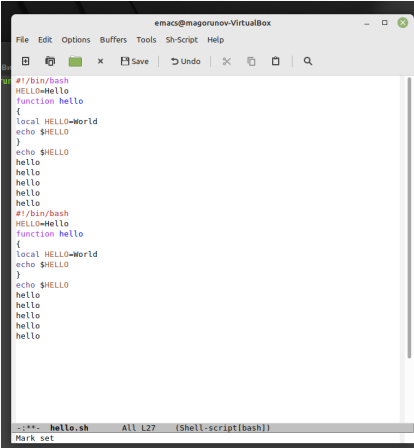


```
emacs@magorunov-VirtualBox
File Edit Options Buffers Tools Sh-Script Help
[Icons] Save Undo [Icons]
~/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
hello
hello
hello
```

--*- hello.sh All L1 (Shell-script(bash))
Beginning of buffer

Figure 4: Выделение блока

Выполнение работы

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

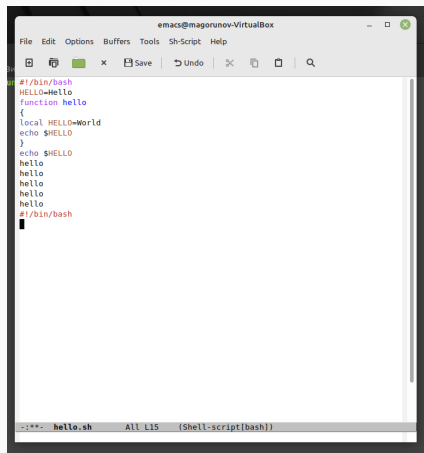
```
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
hello
hello
hello

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

The status bar at the bottom of the window displays ':-*- hello.sh All L27 (Shell-script(bash))' and 'Mark set'.

Figure 5: Копирование блока

Выполнение работы

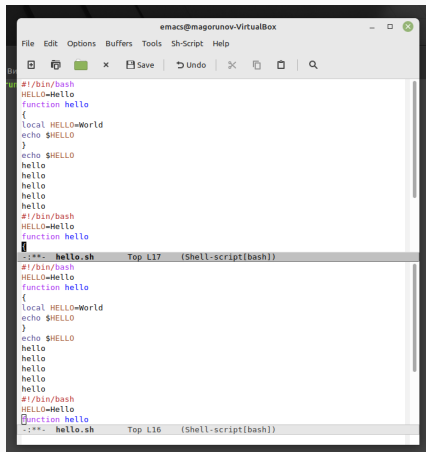


```
emac@magorunov-VirtualBox
File Edit Options Buffers Tools Sh-Script Help
[Icons] Save Undo [Icons]
#!/bin/bash
HELLO=Hello
function hello
{
  local HELLO=World
  echo $HELLO
}
echo $HELLO
hello
hello
hello
hello
hello
hello
#!/bin/bash
█

-***- hello.sh All L15 (Shell-script[bash])
```

Figure 6: Удаление блока

Выполнение работы



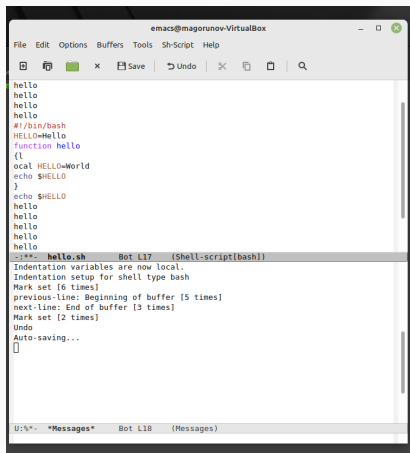
The screenshot shows the Emacs editor interface with a window titled 'emacs@magorunov-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for file operations and editing. The main editing area is split horizontally into 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 top pane has a status bar at the bottom that reads '-: *- hello.sh Top L17 (Shell-script{bash})'. The bottom pane has a status bar that reads '-: *- hello.sh Top L16 (Shell-script{bash})'.

Figure 7: Горизонтальное разделение

Выполнение работы



The screenshot shows the Emacs editor interface with a window titled 'emacs@magorunov-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:

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

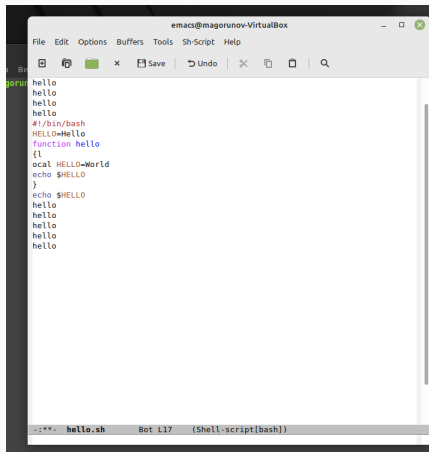
Below the script, the output of the script execution is shown in a buffer titled 'Bot L17 (Shell-script[bash])':

```
 -*- hello.sh Bot L17 (Shell-script[bash])
Indentation variables are now local.
Indentation setup for shell type bash
Mark set [6 times]
previous-line: Beginning of buffer [5 times]
next-line: End of buffer [3 times]
Mark set [2 times]
Undo
Auto-saving...
█
```

At the bottom of the window, the status bar shows 'U: %* - *Messages* Bot L18 (Messages)'.

Figure 8: Переключение буфера

Выполнение работы



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

--- hello.sh Bot L17 (Shell-script[bash])

Figure 9: Закроем буфер

Выполнение работы

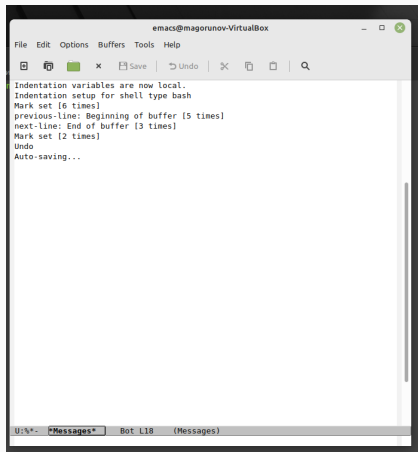


Figure 10: Переключение буфера

Выполнение работы

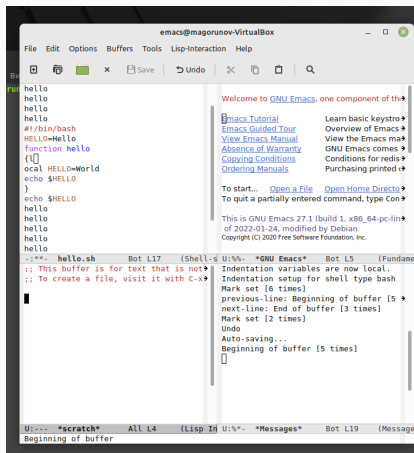


Figure 11: Четыре буфера

Выполнение работы

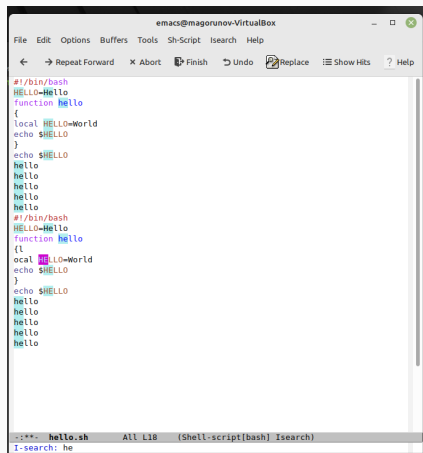


Figure 12: Режим поиска

Выводы по проделанной работе

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