

Редактор Emacs

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20 ноября, 2021, Москва, Россия

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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.

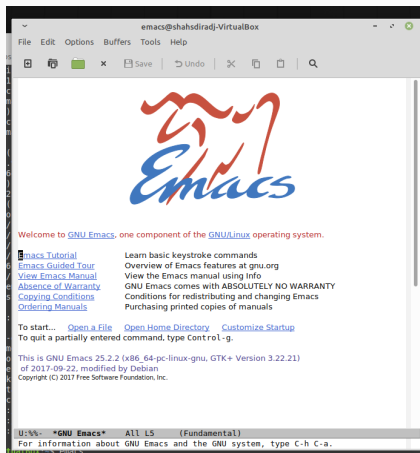
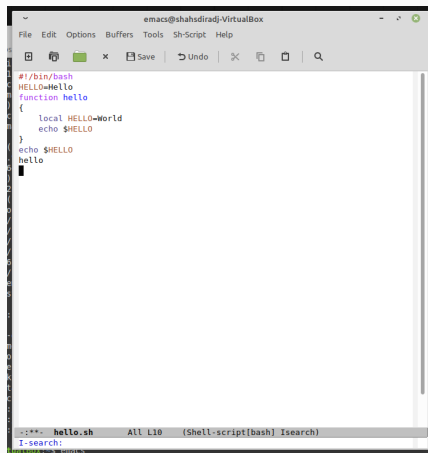


Figure 1: Запуск Emacs

Выполнение работы



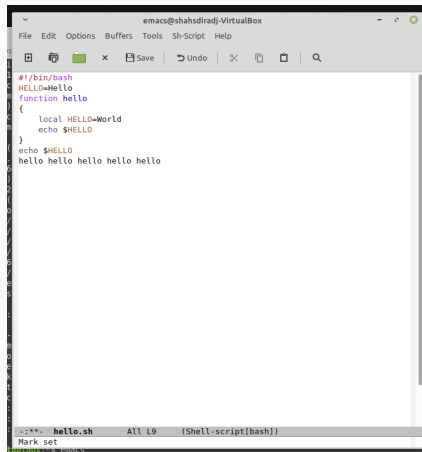
The image shows a screenshot of an Emacs editor window titled 'emacs@shahsdiradj-VirtualBox'. The window has a menu bar with 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains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

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

The cursor is positioned at the end of the 'hello' function definition. At the bottom of the window, there is a status bar showing 'hello.sh', 'All L10', and '(Shell-script[bash] Isearch)'. Below the status bar, there is a search bar with the text 'I-search:' and a search button.

Figure 2: Новый файл

Выполнение работы



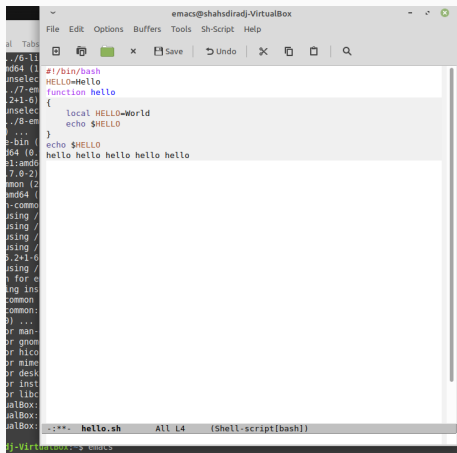
The image shows a screenshot of an Emacs editor window titled "emacs@shahsdiradj-VirtualBox". The window has a menu bar with "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains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

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

At the bottom of the window, there is a status bar showing ".*- hello.sh All L9 (Shell-script[bash])". Below the status bar, there is a command line with the text "Mark set" and "emacs: -> emacs".

Figure 3: Операция вставка

Выполнение работы



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

```
#!/bin/bash
HELLO=Hello

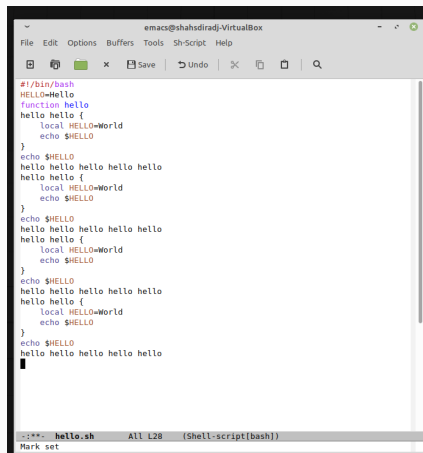
function hello
{
    local HELLO=World
    echo $HELLO
}

echo $HELLO
hello hello hello hello hello
```

A block of code, starting from the function definition and ending with the first call to the function, is highlighted in light gray. The status bar at the bottom indicates the current file is "hello.sh" and the buffer is "All L4 (Shell-script[bash])".

Figure 4: Выделение блока

Выполнение работы



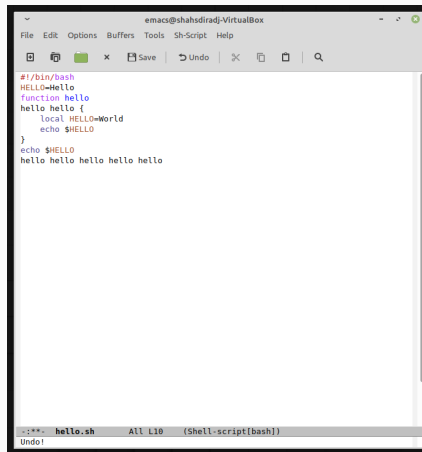
```
emacs@shahsdiradj-VirtualBox
File Edit Options Buffers Tools Sh-Script Help

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

--*- hello.sh All L28 (Shell-script(bash))
Mark set
```

Figure 5: Копирование блока

Выполнение работы

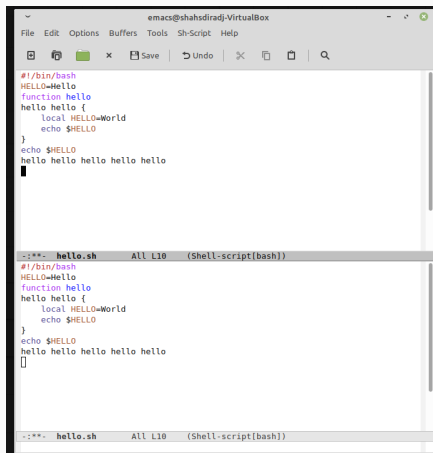


```
emacs@shahsdiradj-VirtualBox
File Edit Options Buffers Tools Sh-Script Help
[Icons] Save Undo [Icons]
#!/bin/bash
HELLO=Hello
function hello
hello hello {
    local HELLO=World
    echo $HELLO
}
echo $HELLO
hello hello hello hello hello
```

~:***- hello.sh All L10 (Shell-script[bash])
Undo!

Figure 6: Удаление блока

Выполнение работы



The screenshot shows the Emacs editor interface with a title bar indicating the user is 'emacs@shahsdiradj-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 window displays a shell script named 'hello.sh' with the following content:

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

Below the main window, there are two horizontal split windows, each showing the same script content. The status bar at the bottom of each split window reads 'hello.sh All L10 (Shell-script(bash))'.

Figure 7: Горизонтальное разделение

Выполнение работы

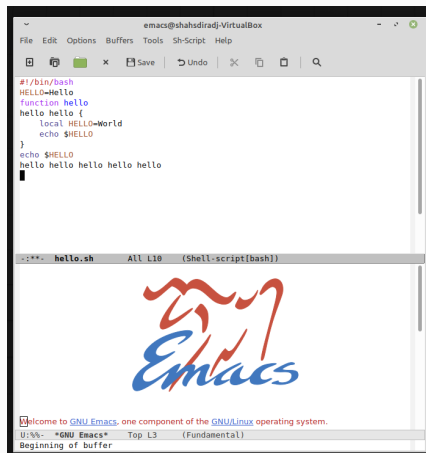
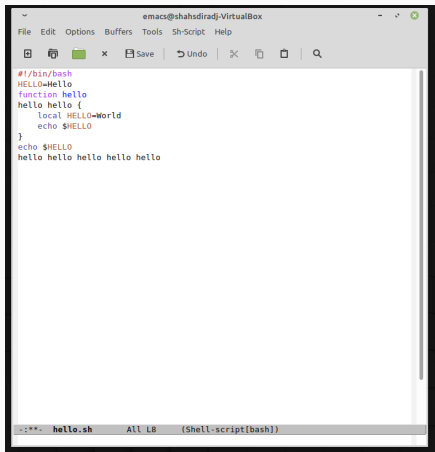


Figure 8: Переключение буфера

Выполнение работы

A screenshot of an Emacs editor window titled 'emacs@shahsdiradj-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
hello hello {
    local HELLO=World
    echo $HELLO
}
echo $HELLO
hello hello hello hello hello
```

The status bar at the bottom shows '.*:*.* hello.sh All 1.8 (Shell-script[bash])'.

```
emacs@shahsdiradj-VirtualBox
File Edit Options Buffers Tools Sh-Script Help
[Icons] Save Undo [Icons]
#!/bin/bash
HELLO=Hello
function hello
hello hello {
    local HELLO=World
    echo $HELLO
}
echo $HELLO
hello hello hello hello hello
.*:*.* hello.sh All 1.8 (Shell-script[bash])
```

Figure 9: Закроем буфер

Выполнение работы

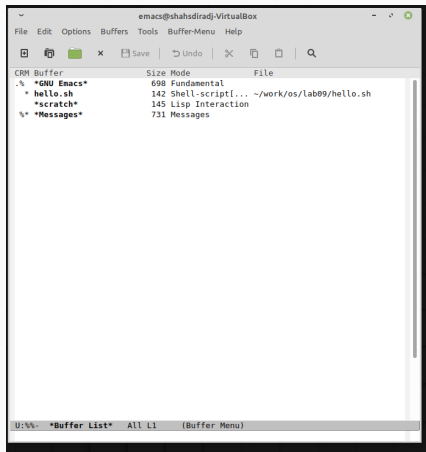


Figure 10: Переключение буфера

Выполнение работы

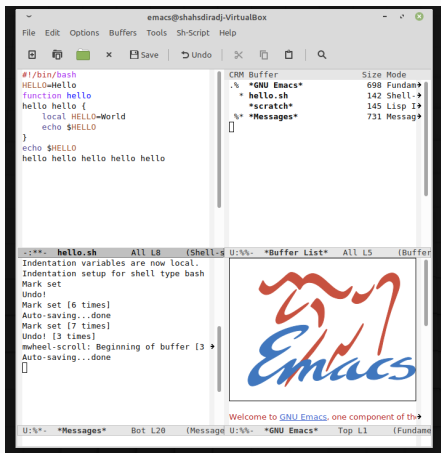
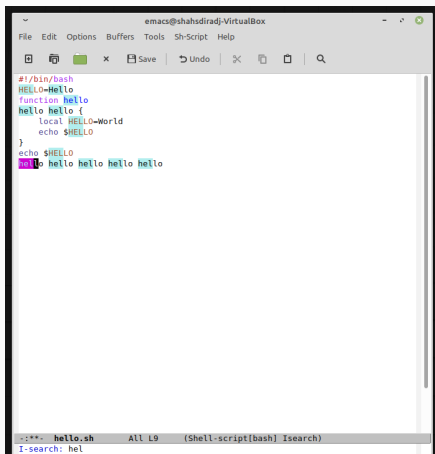


Figure 11: Четыре буфера

Выполнение работы



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

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

The search bar at the bottom indicates the search term 'hel' and the current position 'All L9 (Shell-script[bash] Isearch)'. The status bar shows 'I-search: hel'.

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.