

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.

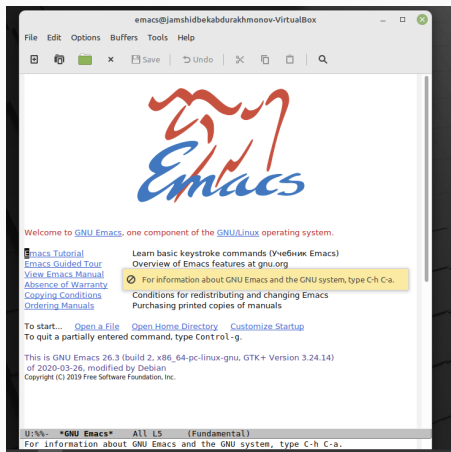
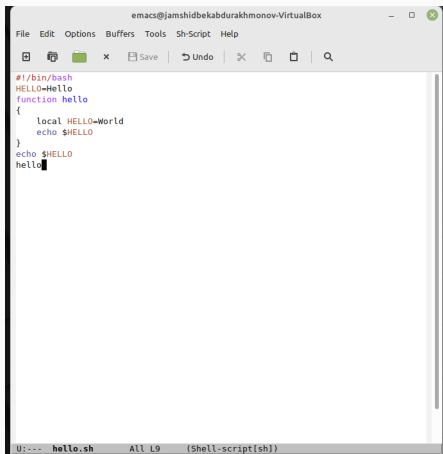


Figure 1: Запуск Emacs

Выполнение работы



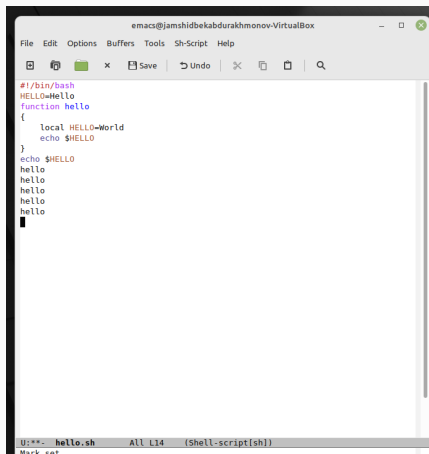
The image shows a screenshot of an Emacs editor window titled "emacs@jamshidbekabdurakhmonov-VirtualBox". The window contains a new shell script file named "hello.sh". The script content is as follows:

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

The status bar at the bottom of the window indicates the current file is "U:--- hello.sh", the cursor is at line 9 ("All L9"), and the buffer is "(Shell-script[sh])".

Figure 2: Новый файл

Выполнение работы



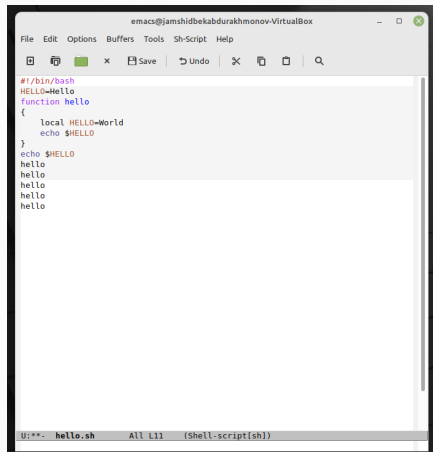
The screenshot shows an Emacs editor window titled "emacs@jamshidbekabdurakhmonov-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script:

```
#!/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 file is "U:***- hello.sh", the cursor is at "All L14", and the buffer is "(Shell-script[sh])". It also shows "Mark set".

Figure 3: Операция вставка

Выполнение работы



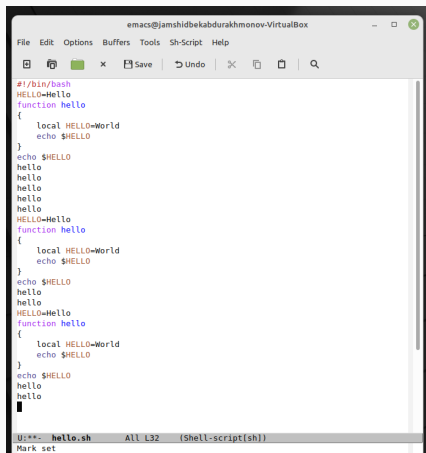
The screenshot shows an Emacs editor window titled "emacs@jamshidbekabdurakhmonov-VirtualBox". The menu bar includes File, Edit, Options, Buffers, Tools, Sh-Script, and Help. The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

```
#!/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 file is "hello.sh", the cursor is at line 11, and the buffer is "(Shell-script[sh])".

Figure 4: Выделение блока

Выполнение работы



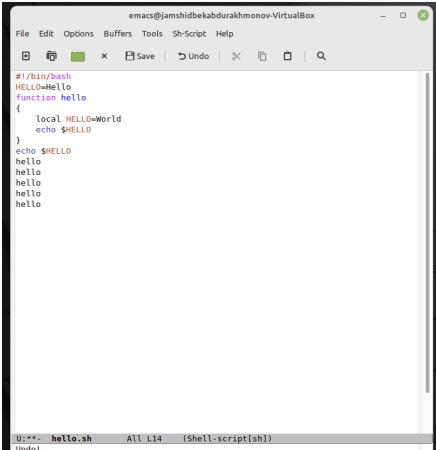
The screenshot shows an Emacs editor window titled "emacs@jamshidbekabdurakhmonov-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script with the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

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

The status bar at the bottom indicates the current position: "U:**- hello.sh All L32 (Shell-script[sh])" and "Mark set".

Figure 5: Копирование блока

Выполнение работы



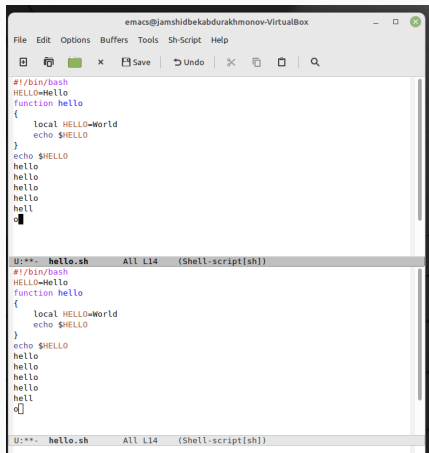
The screenshot shows an Emacs editor window titled "emacs@jamshidbekabdurakhmonov-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script:

```
#!/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 file is "U:**- hello.sh", the cursor is at "All L14", and the buffer is "(Shell-script[sh])". The text "Undo!" is visible below the status bar.

Figure 6: Удаление блока

Выполнение работы



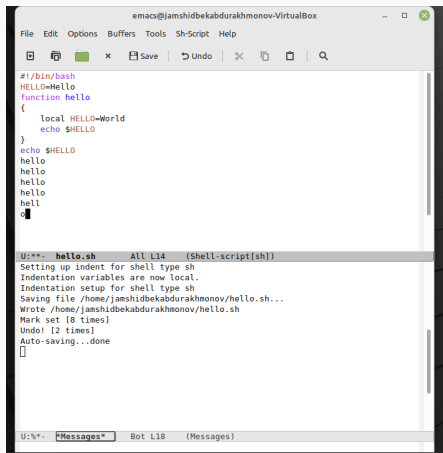
The screenshot shows the Emacs editor interface with a window titled 'emacs@jamshidbekabdurakhmonov-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for file operations and editing. The main text area displays a shell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

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

Below the main text area, there are two horizontal panels. The top panel shows the command 'U:***. hello.sh' followed by 'All L14' and '(Shell-script[sh])'. The bottom panel shows the same command and file information. The script content is repeated in the bottom panel, indicating a horizontal split view of the same file.

Figure 7: Горизонтальное разделение

Выполнение работы



The screenshot shows the Emacs editor interface within a VirtualBox window. The title bar reads 'emacs@jamshidbekabdurakhmonov-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
hell
o
```

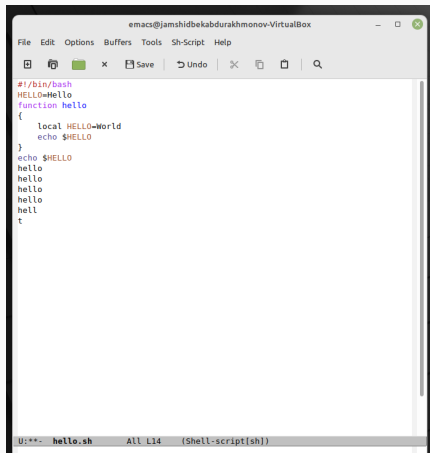
Below the script, the output of running the script is shown in a buffer window titled 'U: *- hello.sh All L14 (Shell-script[sh])'. The output text is:

```
Setting up indent for shell type sh
Indentation variables are now local.
Indentation setup for shell type sh
Saving file /home/jamshidbekabdurakhmonov/hello.sh...
Wrote /home/jamshidbekabdurakhmonov/hello.sh
Mark set [8 times]
Undo! [2 times]
Auto-saving...done
```

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

Figure 8: Переключение буфера

Выполнение работы



```
emacs@jamshidbekabdurakhmonov-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
hell
t

U:*** hello.sh All L14 (Shell-script[sh])
```

Figure 9: Закроем буфер

Выполнение работы

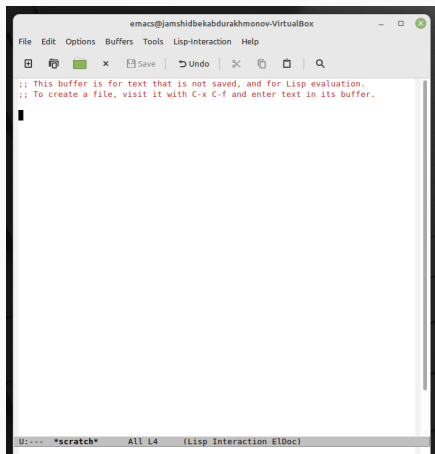


Figure 10: Переключение буфера

Выполнение работы

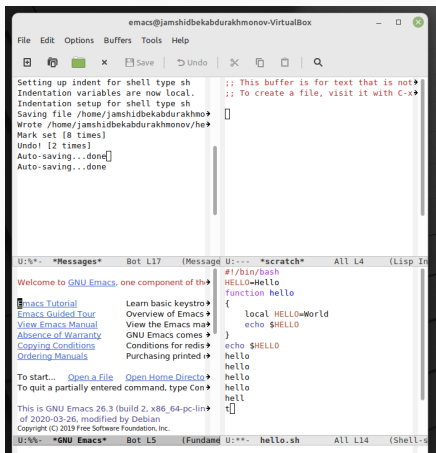
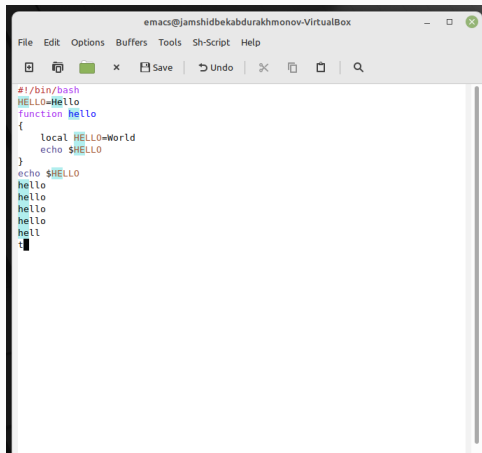


Figure 11: Четыре буфера

Выполнение работы



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

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.