

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.

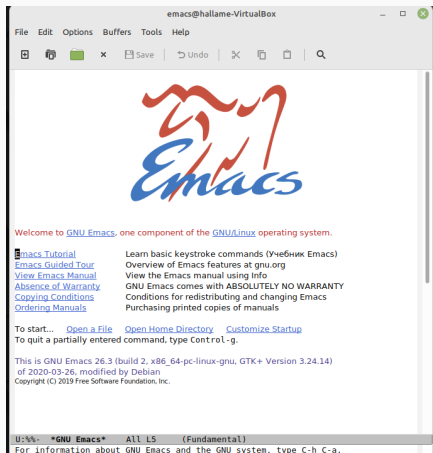
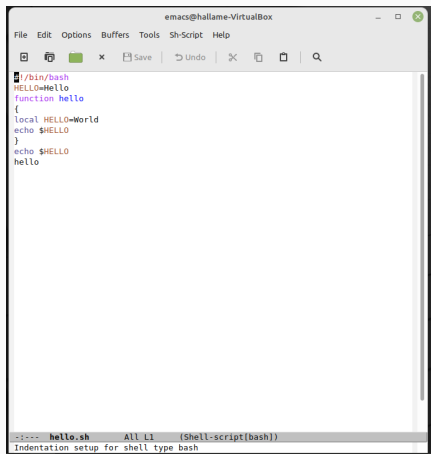


Figure 1: Запуск Emacs

Выполнение работы



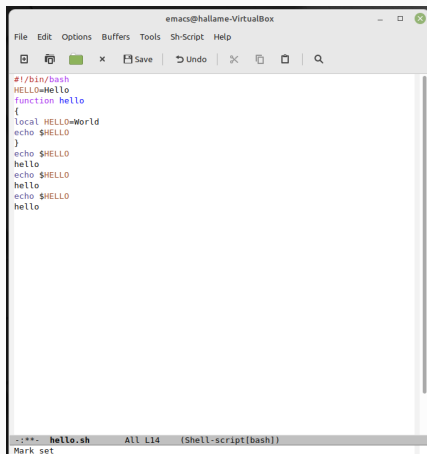
The screenshot shows an Emacs editor window titled 'emacs@hallame-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for opening a file, saving, undo, redo, and search. The main text area contains the following code:

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

The status bar at the bottom indicates the current file is 'hello.sh', the cursor is at line 11, and the buffer is '(shell-script(bash))'. It also shows 'Indentation setup for shell type bash'.

Figure 2: Новый файл

Выполнение работы



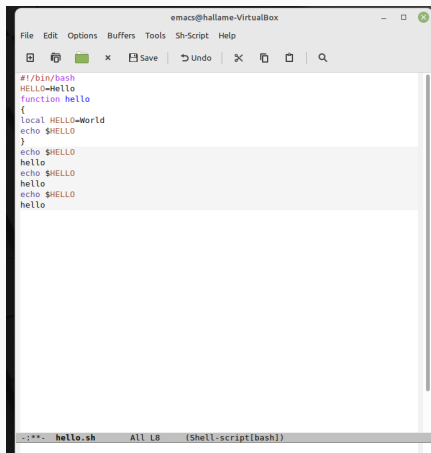
The screenshot shows an Emacs editor window titled "emacs@hallame-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

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

The status bar at the bottom indicates the current file is "hello.sh", line 14, and the buffer is "(Shell-script(bash))". It also shows "Mark set".

Figure 3: Операция вставка

Выполнение работы



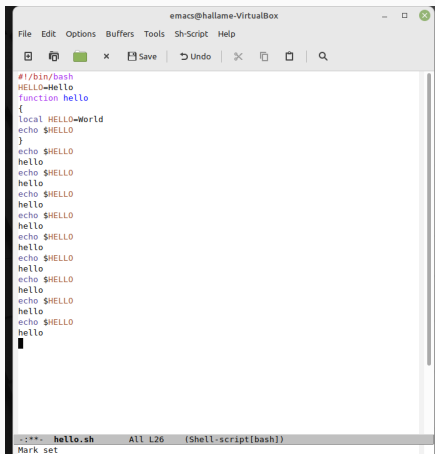
The screenshot shows an Emacs editor window titled "emacs@hallame-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

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

The block of code from the third line ("function hello") to the end of the file is highlighted in light gray. The status bar at the bottom indicates the current file is "hello.sh", the cursor is at "All LB", and the mode is "(Shell-script(bash))".

Figure 4: Выделение блока

Выполнение работы



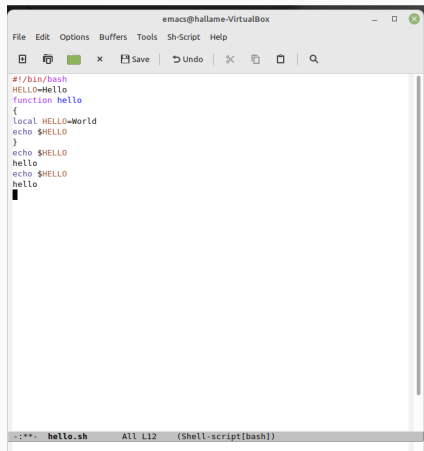
The image shows a screenshot of an Emacs editor window titled "emacs@hallame-VirtualBox". The window has a menu bar with "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". Below the menu bar is a toolbar with icons for file operations and editing. The main text area contains a shell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

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

At the bottom of the window, there is a status bar that reads ".*: ** hello.sh All L26 (Shell-script[bash]) Mark set".

Figure 5: Копирование блока

Выполнение работы



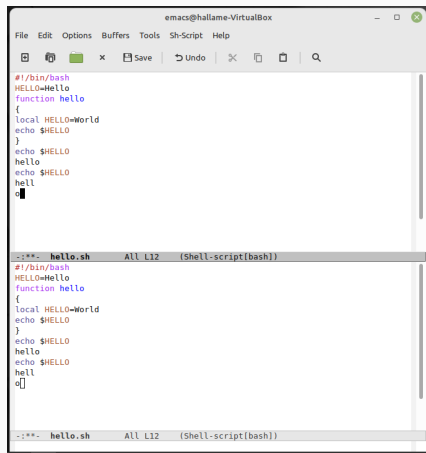
The screenshot shows the Emacs editor window titled "emacs@hallame-VirtualBox". The menu bar includes "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The toolbar contains icons for file operations and editing. The main text area displays a shell script with the following content:

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

The status bar at the bottom indicates the current file is "hello.sh", the cursor is at "All L12", and the buffer is "(Shell-script[bash])".

Figure 6: Удаление блока

Выполнение работы



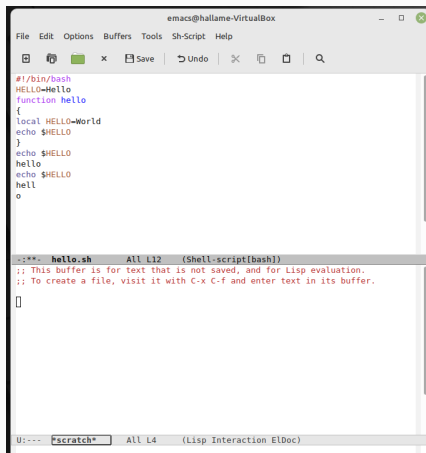
The screenshot shows the Emacs editor interface with a title bar 'emacs@hallame-VirtualBox'. The menu bar includes 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The toolbar contains icons for file operations and editing. The main window displays a shell script named 'hello.sh'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

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

Below the main window, there are two horizontal split windows. The first split window shows the command prompt ':-*- hello.sh All L12 (Shell-script(bash))' followed by the same script content as the main window. The second split window also shows the command prompt ':-*- hello.sh All L12 (Shell-script(bash))' and the same script content.

Figure 7: Горизонтальное разделение

Выполнение работы



The screenshot shows the Emacs editor interface. The title bar reads "emacs@hallame-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
echo $HELLO
hell
o
```

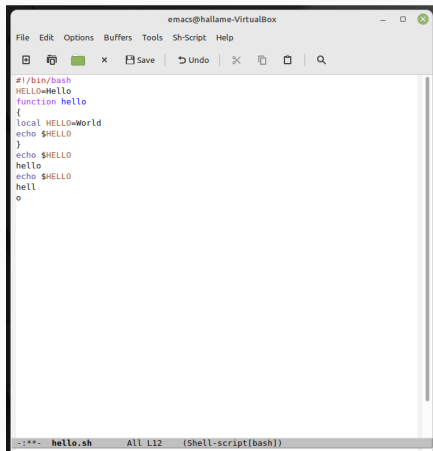
Below the script, a buffer window is visible with the title "hello.sh" and "All L12 (Shell-script[bash])". It contains the following text:

```
;; This buffer is for text that is not saved, and for Lisp evaluation.
;; To create a file, visit it with C-x C-f and enter text in its buffer.
```

The status bar at the bottom shows "U:---", "Pscratch*", "All L4", and "(Lisp Interaction ElDoc)".

Figure 8: Переключение буфера

Выполнение работы



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

hello.sh All L12 (Shell-script(bash))

Figure 9: Закроем буфер

Выполнение работы

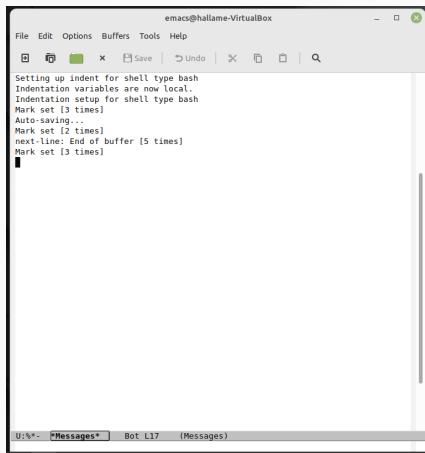


Figure 10: Переключение буфера

Выполнение работы

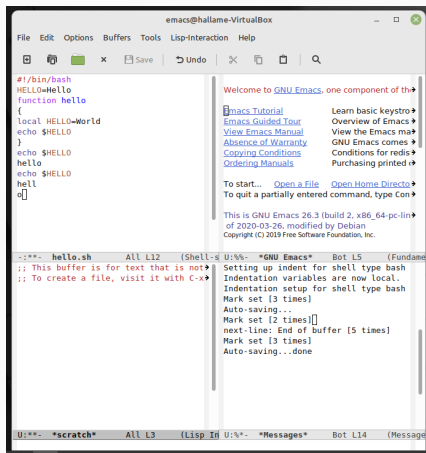
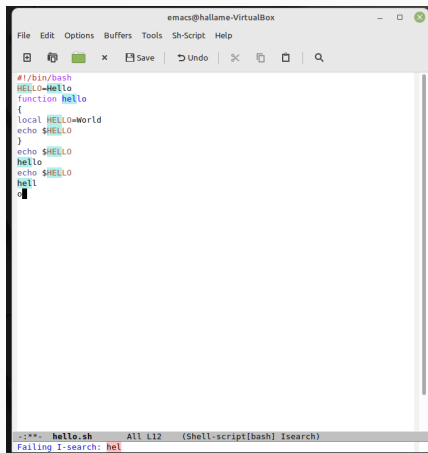


Figure 11: Четыре буфера

Выполнение работы



The screenshot shows the Emacs editor window titled 'emacs@hallame-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 syntax highlighting: a shebang line, a variable assignment, a function definition, and several echo statements. The search bar at the bottom indicates a search for 'hel' in the file 'hello.sh'.

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

Bottom status bar: -:** hello.sh All L12 (Shell-script[bash] Isearch)
Failing 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.