

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.

Задачи лабораторной работы

1 Изучить возможности редактора Emacs

Процесс выполнения лабораторной работы

Выполнение работы

1. Откроем Emacs.

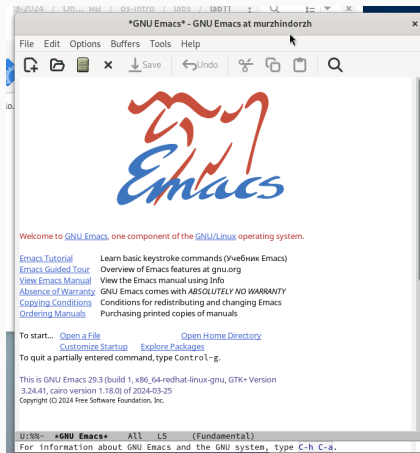
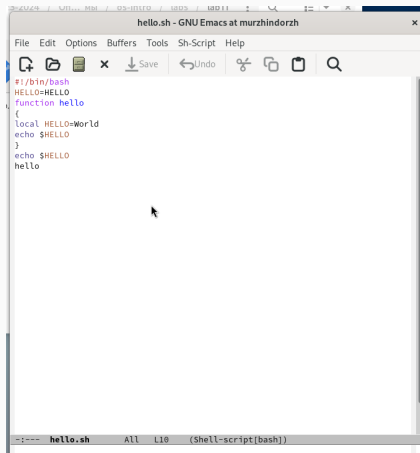


Рис. 1: Запуск Емакс

Выполнение работы



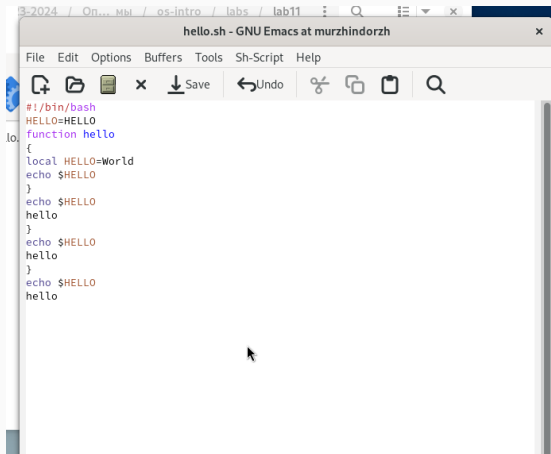
The image shows a screenshot of a GNU Emacs editor window. The title bar at the top reads "hello.sh - GNU Emacs at murzhindorzh". Below the title bar is a menu bar with the following items: File, Edit, Options, Buffers, Tools, Sh-Script, and Help. Under the "Tools" menu, there is a toolbar with icons for Save, Undo, Cut, Copy, Paste, and Find. The main editing area contains the following text:

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

At the bottom of the window, there is a status bar that displays: "-- hello.sh All L10 (Shell-script(bash))".

Рис. 2: Новый файл

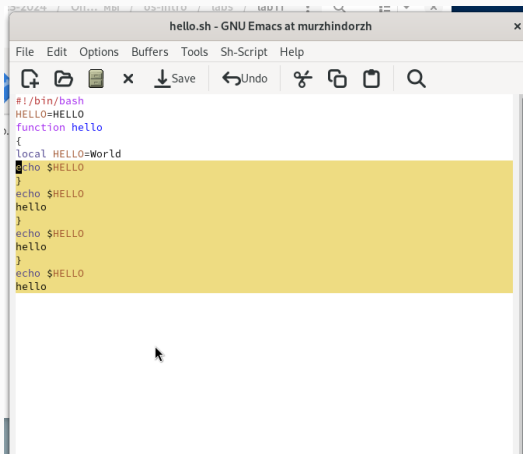
Выполнение работы



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

Рис. 3: Операция вставка

Выполнение работы



The image shows a screenshot of the GNU Emacs editor window titled "hello.sh - GNU Emacs at murzhindorzh". 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 (open, save, delete), editing (undo, redo, cut, copy, paste), and search. 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
```

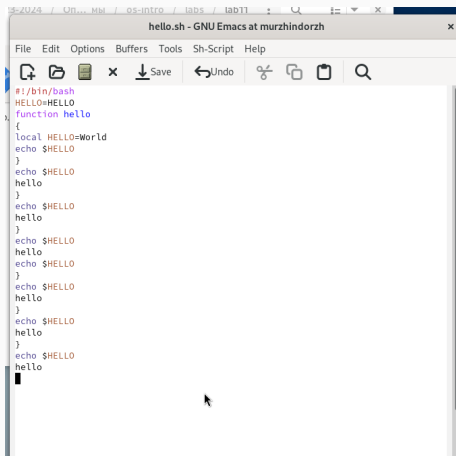
A yellow rectangular highlight covers the lines from "local HELLO=World" to "echo \$HELLO" within the "hello" function. A mouse cursor is visible at the bottom center of the text area.

Рис. 4: Выделение блока

Копирование блока

Рис. 5: Копирование блока

Выполнение работы



5-20/24 / Un... MM / os-intro / labs / lab11 : Q | = | v x

hello.sh - GNU Emacs at murzhindorzh x

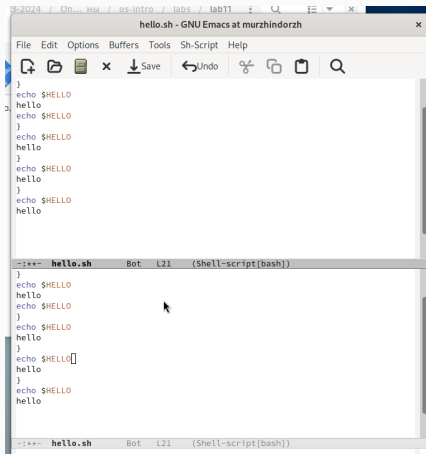
File Edit Options Buffers Tools Sh-Script Help

📁 📄 🗑️ ✖️ ⬇️ Save ⬅️ Undo ✂️ 📋 📄 🔍

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

Рис. 6: Удаление блока

Выполнение работы



The screenshot shows a GNU Emacs editor window titled "hello.sh - GNU Emacs at murzhindorzh". The window is split horizontally into two panes. The top pane contains the source code of a shell script named "hello.sh", which consists of several "echo \$HELLO" and "hello" commands enclosed in curly braces. The bottom pane shows the script being executed in a shell, with the same commands and output visible. The status bar at the bottom of the window indicates the current buffer is "hello.sh", the mode is "Bot", and the line number is "L21".

```
hello.sh - GNU Emacs at murzhindorzh
File Edit Options Buffers Tools Sh-Script Help
[Icons: Copy, Paste, Save, Undo, Cut, Copy, Find]

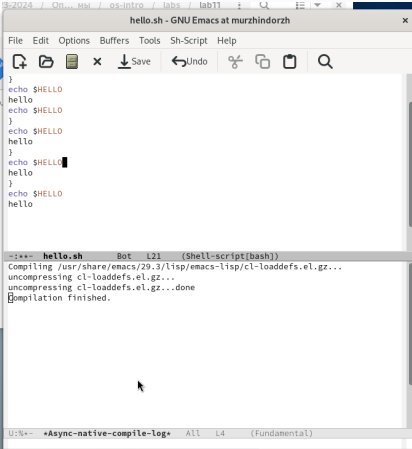
}
echo $HELLO
hello
echo $HELLO
}
echo $HELLO
hello
}
echo $HELLO
hello
}
echo $HELLO
hello
}

-:***- hello.sh Bot L21 (Shell-script(bash))
}
echo $HELLO
hello
echo $HELLO
}
echo $HELLO
hello
}
echo $HELLO
hello
}
echo $HELLO
hello
}

-:***- hello.sh Bot L21 (Shell-script(bash))
```

Рис. 7: Горизонтальное разделение

Выполнение работы



The screenshot shows a GNU Emacs window titled "hello.sh - GNU Emacs at murzhindorzh". The main buffer contains a shell script with several `echo $HELLO` and `hello` commands. Below the script, a compilation window is open, showing the output of the compilation process. The output includes the file name `hello.sh`, the buffer name `Bot`, and the Lisp version `L21`. It also shows the compilation path and the status of the compilation.

```
File Edit Options Buffers Tools Sh-Script Help
[Icons] Save Undo [Icons]
}
echo $HELLO
hello
echo $HELLO
}
echo $HELLO
hello
}
echo $HELLO
hello
}
echo $HELLO
hello
}
}
echo $HELLO
hello
}

-***- hello.sh Bot L21 (Shell-script[bash])
Compiling /usr/share/emacs/29.3/lisp/emacs-lisp/cl-loaddefs.el.gz...
uncompressing cl-loaddefs.el.gz...
uncompressing cl-loaddefs.el.gz...done
Compilation finished.

U:~*- *Async-native-compile-log* All L4 (Fundamental)
```

Рис. 8: Переключение буфера

Выполнение работы

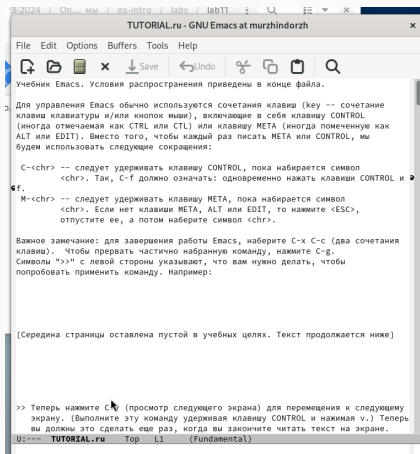


Рис. 9: Закроем буфер

Выполнение работы

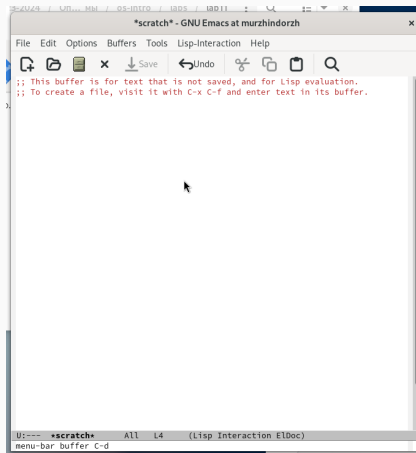


Рис. 10: Переключение буфера

Выполнение работы

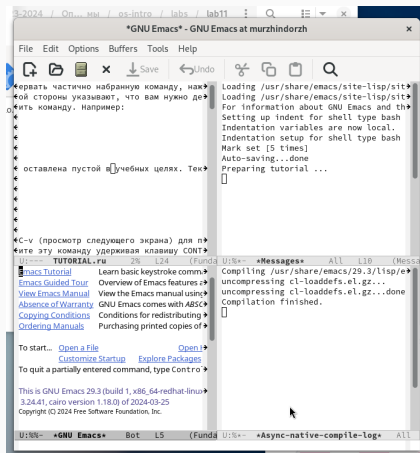
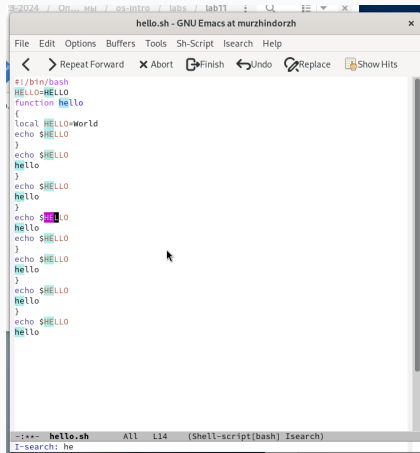


Рис. 11: Четыре буфера

Выполнение работы



The screenshot shows the GNU Emacs editor window titled "hello.sh - GNU Emacs at murzhindorzh". The menu bar includes File, Edit, Options, Buffers, Tools, Sh-Script, Isearch, and Help. The toolbar contains icons for navigation and editing. The main text area displays the following script 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
```

The search bar at the bottom shows the search pattern "he" and the results "All L14 (Shell-script[bash] Isearch)".

Рис. 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.