

# Презентация по лабораторной работе 9

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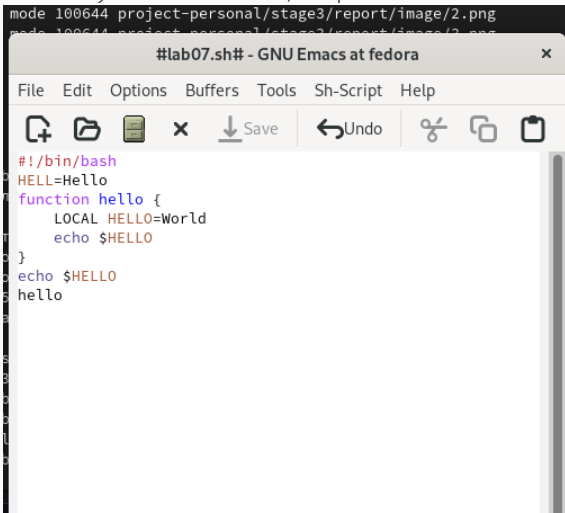
Гельбарт Лев

08 апреля 2023

Российский университет дружбы народов, Москва, Россия

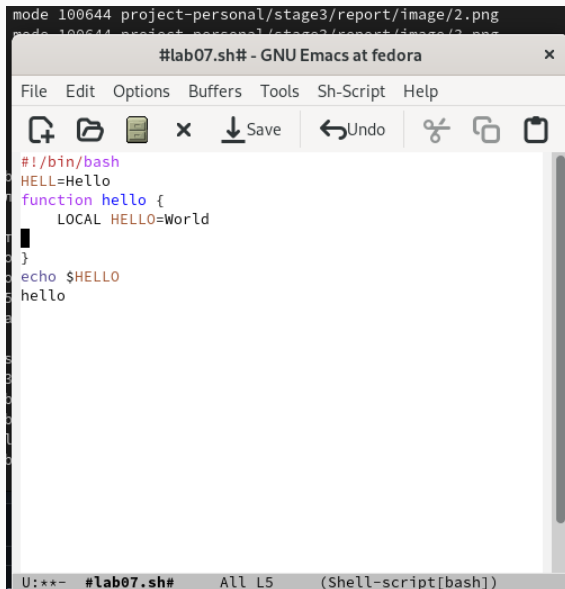
- Разобраться с редактором emacs, с его интерфейсом и функционалом.

- Начнем написав emacs, этим запускаем редактор. Создаем файл Ctrl-x Ctrl-f. Вписываем в него нужный нам текст, сохраняем его Ctrl-x Ctrl-s



```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/3.png

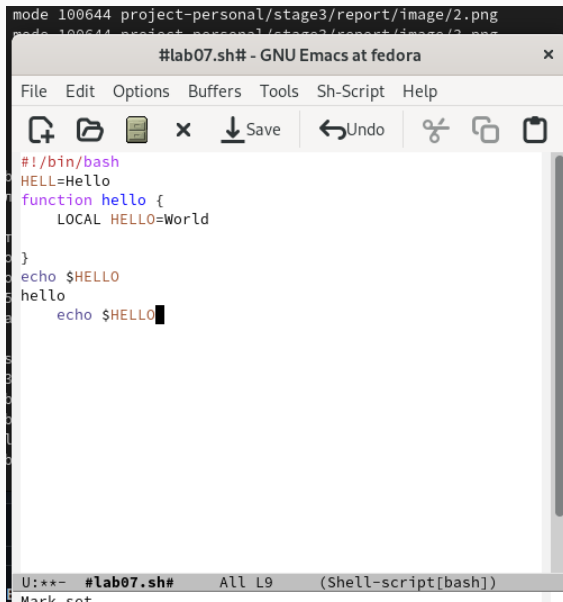
#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Undo, Cut, Copy, Paste]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
    echo $HELLO
}
echo $HELLO
hello
```



```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/2.png

#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Save, Undo, Cut, Copy, Paste]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
}
echo $HELLO
hello

U:*** #lab07.sh# All L5 (Shell-script[bash])
```

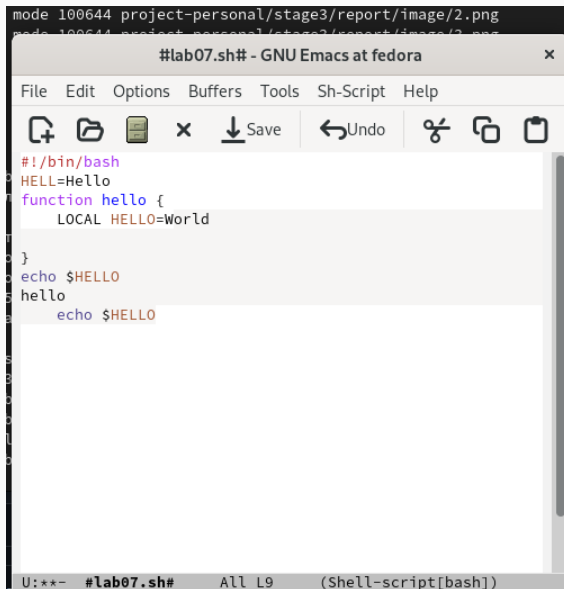


```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/2.png

#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Save, Undo, Cut, Copy, Paste]

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

U:*** #lab07.sh# All L9 (Shell-script[bash])
```



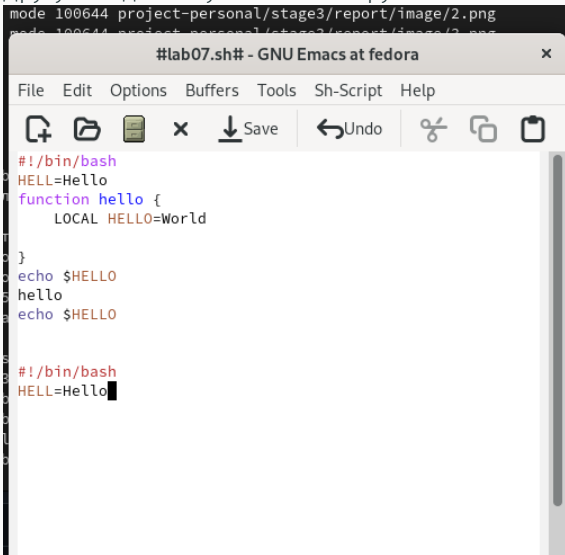
```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/2.png

#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: Copy, Paste, Save, Undo, Cut, Copy]

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

U:*** #lab07.sh# All L9 (Shell-script[bash])
```

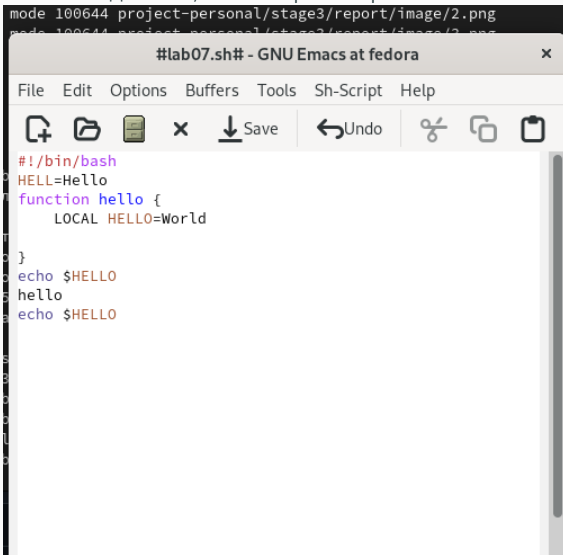
- Другую выделенную часть копируем - вставляем Alt-w, Ctrl-y



```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/3.png
#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Save, Undo, Cut, Copy, Paste]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
}
echo $HELLO
hello
echo $HELLO

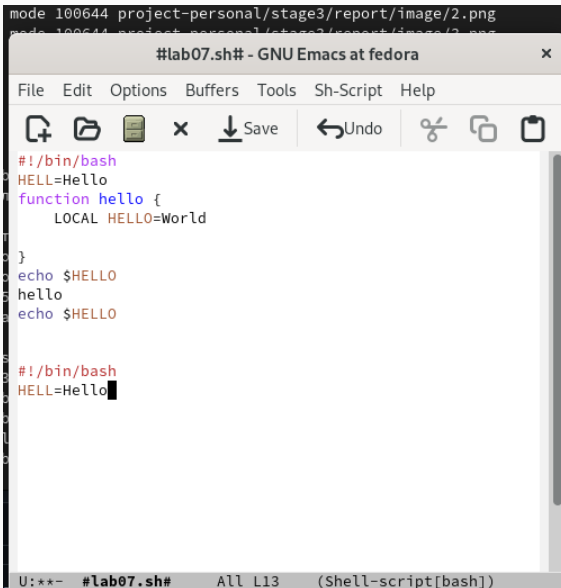
#!/bin/bash
HELL=Hello
```

- Снова выделяем, на этот раз вырезаем Ctrl-w



```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/3.png
#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Undo, Cut, Copy, Paste]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
}
echo $HELLO
hello
echo $HELLO
```





```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/2.png

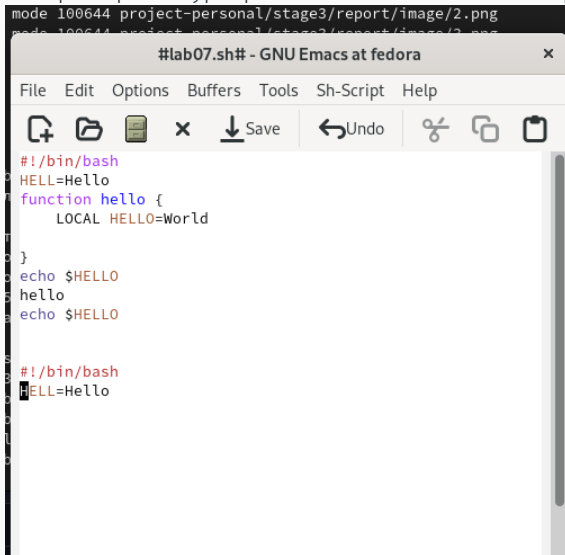
#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Save As, Undo, Cut, Copy, Paste]

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

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

U:\*\*\* #lab07.sh# All L13 (Shell-script[bash])

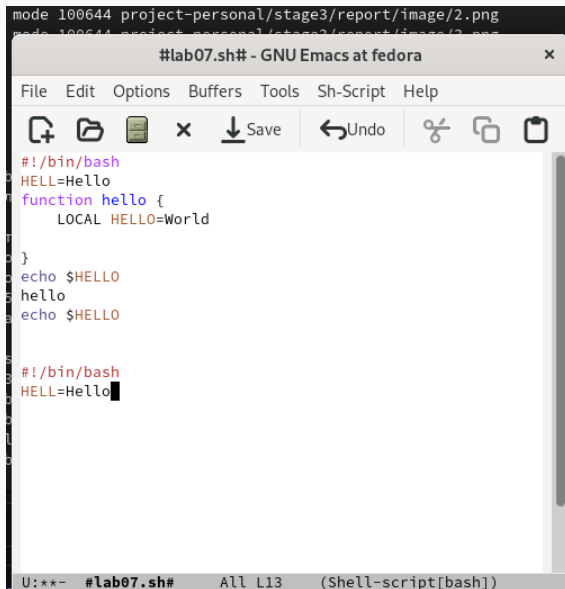
- Теперь играем курсором. Ставим его в начало строки Ctrl-a



```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/3.png

#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Undo, Cut, Copy, Paste]
#!/bin/bash
HELL=Hello
function hello {
    LOCAL HELLO=World
}
echo $HELLO
hello
echo $HELLO

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



```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/2.png

#lab07.sh# - GNU Emacs at fedora
File Edit Options Buffers Tools Sh-Script Help
[Icons: New, Open, Save, Close, Save All, Undo, Cut, Copy, Paste]

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

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

U:\*\*\* #lab07.sh# All L13 (Shell-script[bash])

The screenshot shows the GNU Emacs editor window titled "#lab07.sh# - GNU Emacs at fedora". The main editing area contains a shell script with the following content:

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

Below the editing area is the "U:\*\*\* #lab07.sh# Top L1 (Shell-script[bash])" buffer list. It displays a table of buffers:

CRM	Buffer	Size	Mode	File
1	* #lab07.sh#	119	Shell-script[ba...	~/#lab07.sh
%	*GNU Emacs*	904	Fundamental	
	*scratch*	145	Lisp Interaction	
%*	*Messages*	1146	Messages	

At the bottom, the "U:%%- \*Buffer List\* All L1 (Buffer Menu)" buffer list is visible.

```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/2.png
```

#lab07.sh# - GNU Emacs at fedora

File Edit Options Buffers Tools Sh-Script Help

Save Undo

```
}
echo $HELLO
hello
echo $HELLO

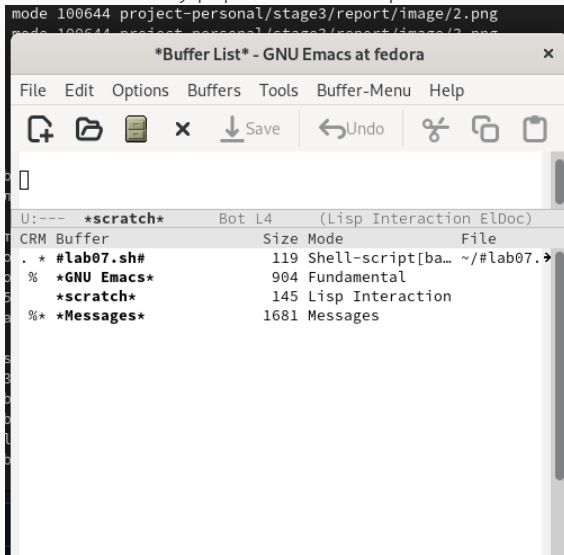
#!/bin/bash
HELL=Hello
```

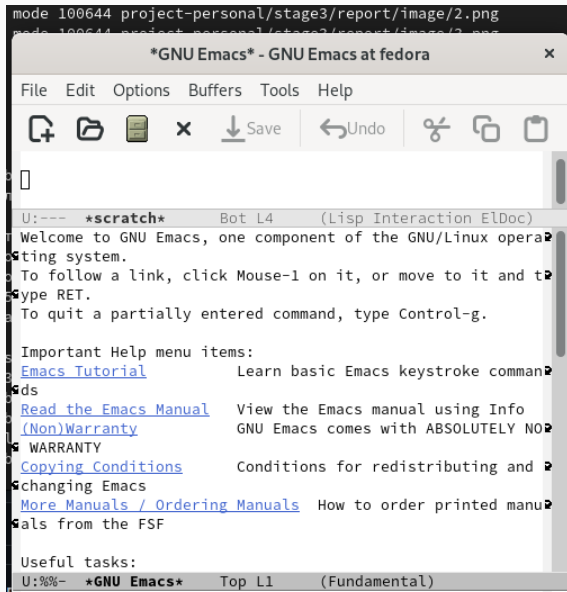
U:\*~ #lab07.sh# Bot L13 (Shell-script[bash])

CRM	Buffer	Size	Mode	File
1	* #lab07.sh#	119	Shell-script[ba...	~/#lab07.sh
%	*GNU Emacs*	904	Fundamental	
	*scratch*	145	Lisp Interaction	
%	*Messages*	1146	Messages	

U:%~\*Buffer List\* All L1 (Buffer Menu)

- Теперь откроем список активных буферов на весь экран Ctrl-x Ctrl-b (он был и на





The screenshot shows the GNU Emacs editor window titled "\*GNU Emacs\* - GNU Emacs at fedora". The window has a menu bar with "File", "Edit", "Options", "Buffers", "Tools", and "Help". Below the menu bar is a toolbar with icons for opening, saving, undo, and other functions. The main text area displays the Emacs startup screen, which includes a welcome message, instructions on how to follow a link, and a list of important help menu items. The status bar at the bottom shows "U:%%- \*GNU Emacs\* Top L1 (Fundamental)".

```
mode 100644 project-personal/stage3/report/image/2.png
mode 100644 project-personal/stage3/report/image/2.png

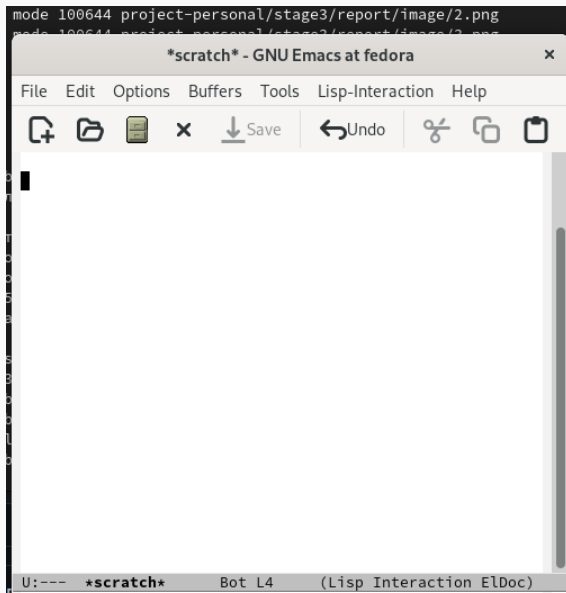
*GNU Emacs* - GNU Emacs at fedora
File Edit Options Buffers Tools Help
[Icons: Open, Save, Undo, etc.]

[]

U:--- *scratch* Bot L4 (Lisp Interaction ElDoc)
Welcome to GNU Emacs, one component of the GNU/Linux operating system.
To follow a link, click Mouse-1 on it, or move to it and type RET.
To quit a partially entered command, type Control-g.

Important Help menu items:
Emacs Tutorial Learn basic Emacs keystroke commands
Read the Emacs Manual View the Emacs manual using Info
\(Non\)Warranty GNU Emacs comes with ABSOLUTELY NO WARRANTY
Copying Conditions Conditions for redistributing and changing Emacs
More Manuals / Ordering Manuals How to order printed manuals from the FSF

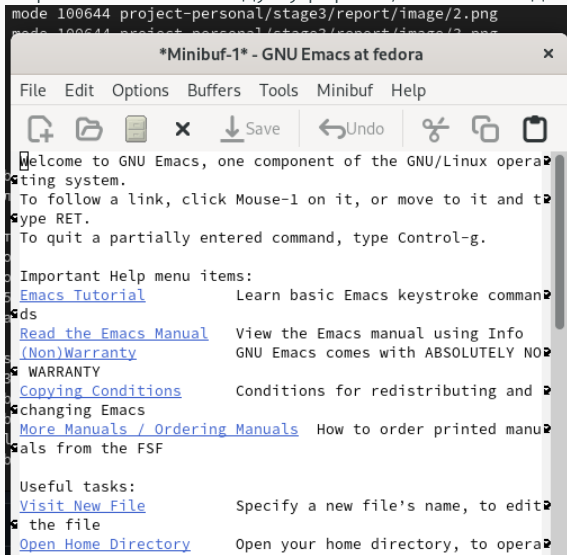
Useful tasks:
U:%%- *GNU Emacs* Top L1 (Fundamental)
```



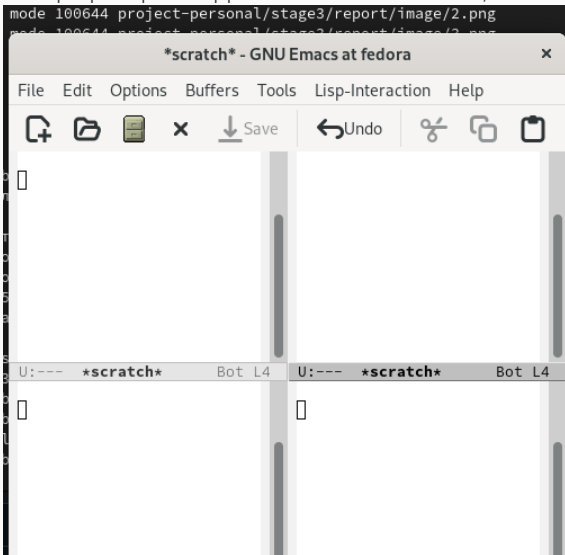
• Теперь закрываем это окно `Ctrl x 0`



- Переключаемся между буферами, но не выводя меню в явном виде Ctrl-x b

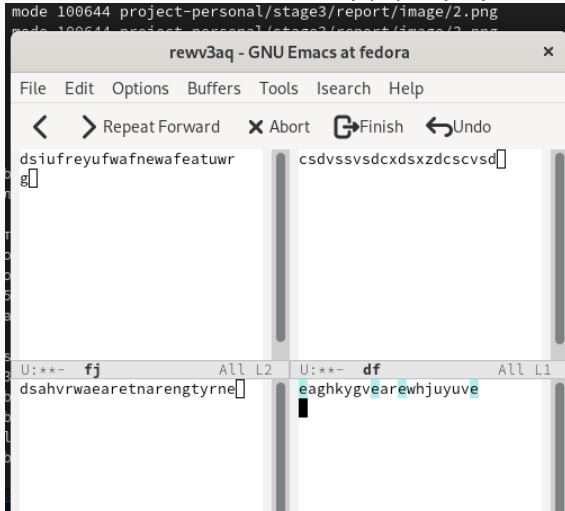


- Теперь раскroим фрейм на 4 окна Ctrl-x 3, затем в каждой половине Ctrl-x 2

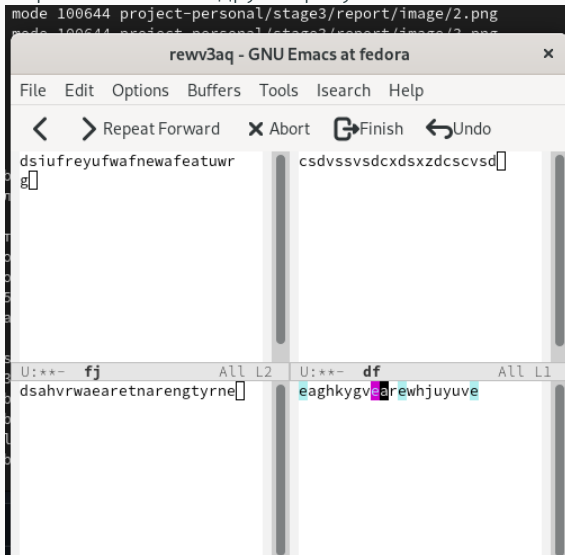


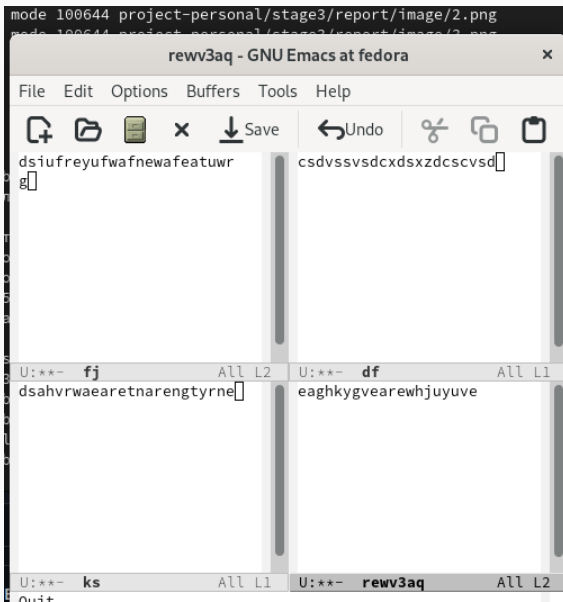
## Упражнения

- В каждом окне создадим свой буфер и напишем в каждом свой случайный набор букв  
Ctrl-x Ctrl-f. Поищем в одном буфере букву “e” Ctrl-s

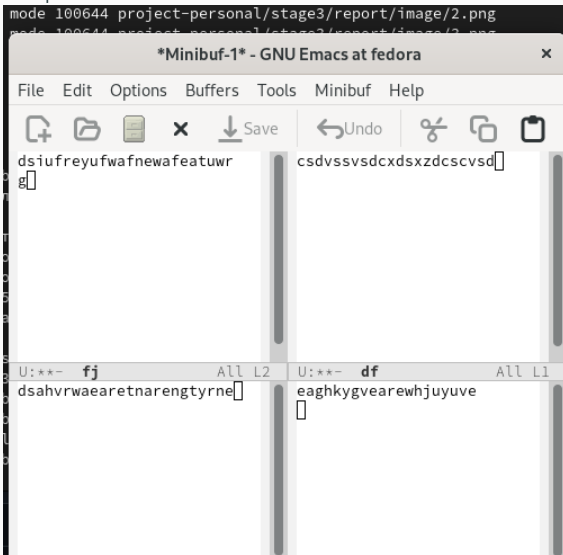


- Переключимся на другой результат поиска Ctrl-s

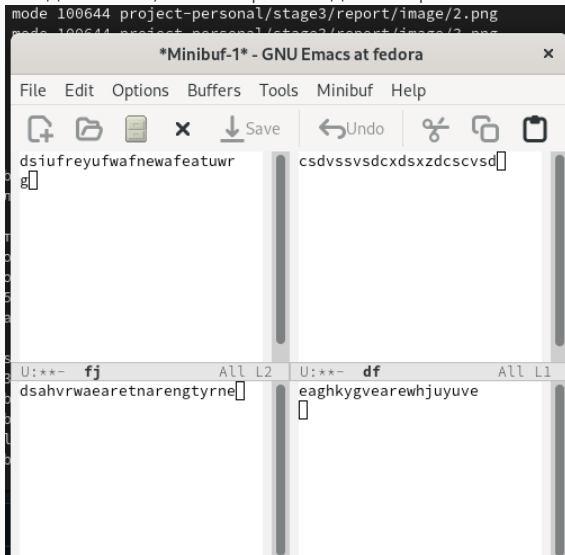




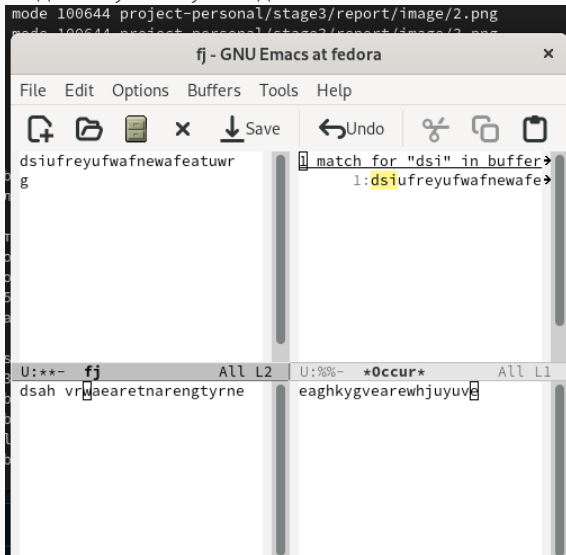
- Запросим поиск текста на изменение Alt-%



- Введем текст, на который надо совершить замену



- Теперь задействуем иную модель поиска. Это поиск не посимвольно, а поиск по строке





- Был освоен редактор etacs со своим функционалом и интерфейсом.