

Редактор Vi

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27 марта, 2023, Москва, Россия

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Цели и задачи работы

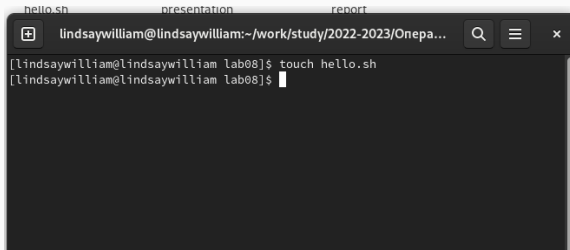
Цель лабораторной работы

Познакомиться с операционной системой Linux. Получить практические навыки работы с редактором vi, установленным по умолчанию практически во всех дистрибутивах.

1 Изучить возможности редактора Vi

Процесс выполнения лабораторной работы

Выполнение работы

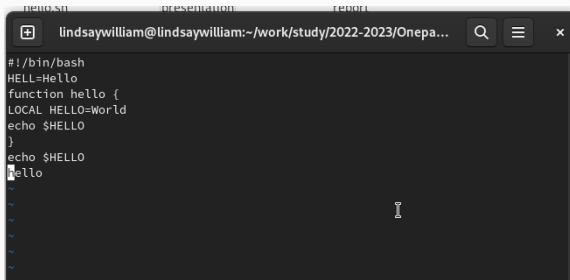


A terminal window titled "lindsaywilliam@lindsaywilliam:~/work/study/2022-2023/Onepa..." is shown. The window has a dark background and a light-colored title bar. The terminal content shows the user executing the command `touch hello.sh` in a directory named `lab08`. The prompt is `[lindsaywilliam@lindsaywilliam lab08]$`. The command is entered on the first line, and the prompt appears again on the second line, indicating the command has been executed successfully.

```
hello.sh presentation report
lindsaywilliam@lindsaywilliam:~/work/study/2022-2023/Onepa...
[lindsaywilliam@lindsaywilliam lab08]$ touch hello.sh
[lindsaywilliam@lindsaywilliam lab08]$
```

Рис. 1: Создание каталога

Выполнение работы

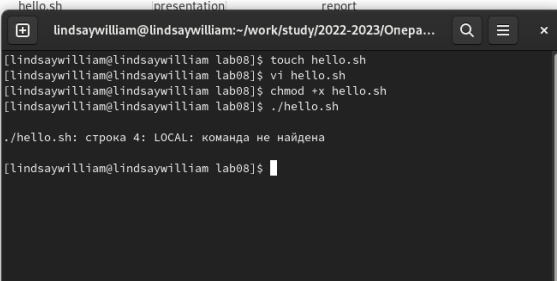


The screenshot shows a terminal window with a dark background. The title bar at the top reads "lindsaywilliam@lindsaywilliam:~/work/study/2022-2023/Onepa...". The terminal content shows a bash shell prompt "#!/bin/bash" followed by a script: "HELL=Hello", "function hello {", "LOCAL HELLO=World", "echo \$HELLO", "}", "echo \$HELLO", and "hello". The cursor is positioned at the end of the "hello" command. The terminal window has standard Linux window controls (minimize, maximize, close) and a search icon.

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

Рис. 2: Работа в редакторе Vi

Выполнение работы



A terminal window titled "lindsaywilliam@lindsaywilliam:~/work/study/2022-2023/Onepa..." with search, menu, and close icons. The terminal shows the following commands and output:

```
[lindsaywilliam@lindsaywilliam lab08]$ touch hello.sh
[lindsaywilliam@lindsaywilliam lab08]$ vi hello.sh
[lindsaywilliam@lindsaywilliam lab08]$ chmod +x hello.sh
[lindsaywilliam@lindsaywilliam lab08]$ ./hello.sh

./hello.sh: строка 4: LOCAL: команда не найдена
[lindsaywilliam@lindsaywilliam lab08]$
```

Рис. 3: Запуск файла

Выполнение работы

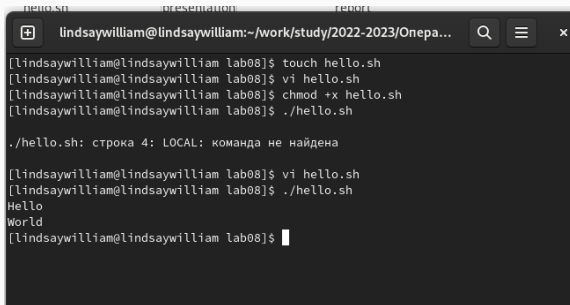


The image shows a terminal window with a dark background. At the top, there are three tabs labeled 'hello.sh', 'presentation', and 'report'. The terminal title bar shows the user 'lindsaywilliam' at 'lindsaywilliam' in the directory '~/work/study/2022-2023/Onepa...'. The terminal content shows a shell script being edited in Vi editor. The script defines a 'hello' function that sets a local 'HELLO' variable to 'World' and echoes it. The user has entered the function definition and is now at the 'hello' command prompt. The cursor is at the end of the line 'hello'.

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

Рис. 4: Работа в редакторе Vi

Выполнение работы

A terminal window with a dark background and light text. The title bar shows the user 'lindsaywilliam' and the path '~/work/study/2022-2023/Onepa...'. The terminal contains the following text:

```
[lindsaywilliam@lindsaywilliam lab08]$ touch hello.sh
[lindsaywilliam@lindsaywilliam lab08]$ vi hello.sh
[lindsaywilliam@lindsaywilliam lab08]$ chmod +x hello.sh
[lindsaywilliam@lindsaywilliam lab08]$ ./hello.sh

./hello.sh: строка 4: LOCAL: команда не найдена

[lindsaywilliam@lindsaywilliam lab08]$ vi hello.sh
[lindsaywilliam@lindsaywilliam lab08]$ ./hello.sh
Hello
World
[lindsaywilliam@lindsaywilliam lab08]$
```

Рис. 5: Повторный запуск файла

Выводы по проделанной работе

В ходе работы мы получили практические навыки работы с редактором vi, установленным по умолчанию практически во всех дистрибутивах UNIX. А также освоили основные режимы и команды