

# Редактор Vi

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# Цели и задачи работы

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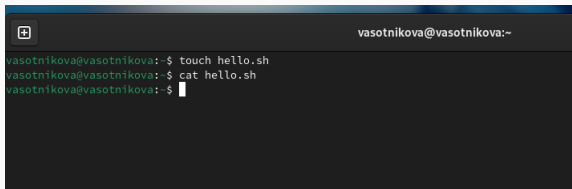
## Цель лабораторной работы

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**

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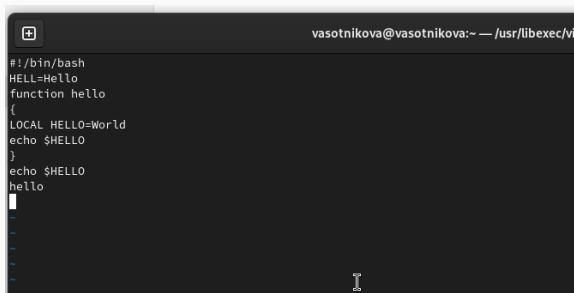


```
vasotnikova@vasotnikova:~$ touch hello.sh
vasotnikova@vasotnikova:~$ cat hello.sh
vasotnikova@vasotnikova:~$
```

A terminal window with a dark background and a blue title bar. The title bar contains a window control icon on the left and the text 'vasotnikova@vasotnikova:~' on the right. The terminal shows three lines of text: a command 'touch hello.sh', its output 'vasotnikova@vasotnikova:~\$ cat hello.sh', and a blank line followed by a prompt 'vasotnikova@vasotnikova:~\$'.

Рис. 1: Создание каталога

# Выполнение работы

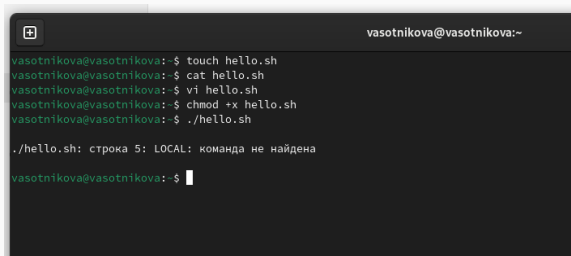


The screenshot shows a terminal window with a dark background. The title bar at the top indicates the user is 'vasotnikova' at host 'vasotnikova' in the directory '~' (home), using the 'usr/libexec/vi' editor. The terminal content shows a shell script being executed line by line. The script defines a function 'hello' that sets a local variable 'HELLO' to 'World' and prints the value of 'HELLO'. The function is then called, and the word 'hello' is printed on a new line. The cursor is positioned at the end of the 'hello' line.

```
#!/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 with a dark background and a title bar. The title bar contains a window icon on the left and the text 'vasotnikova@vasotnikova:~' on the right. The terminal shows a series of commands and their outputs. The commands are: 'touch hello.sh', 'cat hello.sh', 'vi hello.sh', 'chmod +x hello.sh', and './hello.sh'. The output for the last command is an error message in Russian: './hello.sh: строка 5: LOCAL: команда не найдена'. The prompt 'vasotnikova@vasotnikova:~\$' is visible at the end of the last command line.

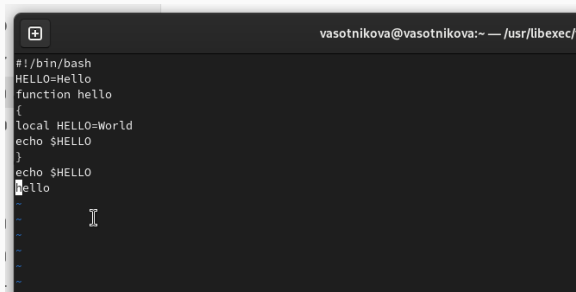
```
vasotnikova@vasotnikova:~$ touch hello.sh
vasotnikova@vasotnikova:~$ cat hello.sh
vasotnikova@vasotnikova:~$ vi hello.sh
vasotnikova@vasotnikova:~$ chmod +x hello.sh
vasotnikova@vasotnikova:~$ ./hello.sh

./hello.sh: строка 5: LOCAL: команда не найдена
vasotnikova@vasotnikova:~$
```

Рис. 3: Запуск файла



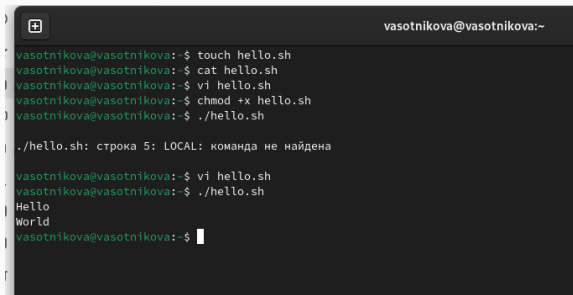
# Выполнение работы



The image shows a terminal window with a dark background. The title bar at the top indicates the user is 'vasotnikova@vasotnikova' and the current directory is '/usr/libexec/'. The terminal content shows a Bash script being edited. The script defines a function 'hello' that prints 'Hello' and 'World'. The cursor is positioned at the end of the 'hello' function definition. The text in the terminal is as follows:

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

**Рис. 4:** Работа в редакторе Vi

A terminal window with a dark background and light green text. The window title is 'vasotnikova@vasotnikova:~'. The terminal shows a series of commands and their outputs. The commands are: 'touch hello.sh', 'cat hello.sh', 'vi hello.sh', 'chmod +x hello.sh', and './hello.sh'. The output of './hello.sh' is an error message: './hello.sh: строка 5: LOCAL: команда не найдена'. Then, the user runs 'vi hello.sh' and './hello.sh' again, which outputs 'Hello' and 'World' on separate lines.

```
vasotnikova@vasotnikova:~  
vasotnikova@vasotnikova:~$ touch hello.sh  
vasotnikova@vasotnikova:~$ cat hello.sh  
vasotnikova@vasotnikova:~$ vi hello.sh  
vasotnikova@vasotnikova:~$ chmod +x hello.sh  
vasotnikova@vasotnikova:~$ ./hello.sh  
  
./hello.sh: строка 5: LOCAL: команда не найдена  
  
vasotnikova@vasotnikova:~$ vi hello.sh  
vasotnikova@vasotnikova:~$ ./hello.sh  
Hello  
World  
vasotnikova@vasotnikova:~$
```

Рис. 5: Повторный запуск файла

## **Выводы по проделанной работе**

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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