

# Редактор Vi

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Тукаев Тимур Ильшатovich<sup>1</sup>

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<sup>1</sup>Российский Университет Дружбы Народов

# Цели и задачи работы

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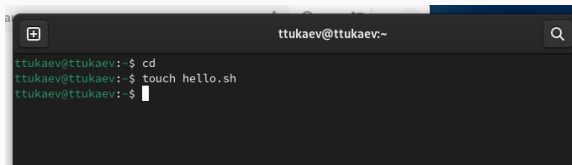
## Цель лабораторной работы

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**

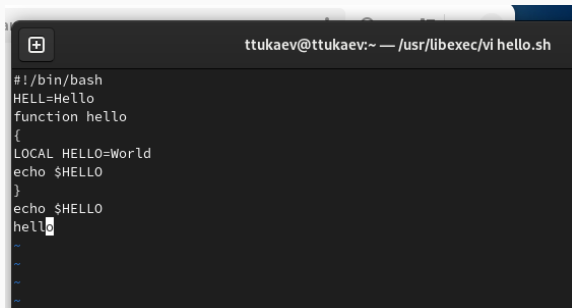
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A terminal window with a dark background. The title bar shows 'ttukaev@ttukaev:~'. The terminal content shows three lines of text: 'ttukaev@ttukaev:~\$ cd', 'ttukaev@ttukaev:~\$ touch hello.sh', and 'ttukaev@ttukaev:~\$' followed by a cursor. There is a search icon in the top right corner of the terminal window.

```
ttukaev@ttukaev:~$ cd
ttukaev@ttukaev:~$ touch hello.sh
ttukaev@ttukaev:~$
```

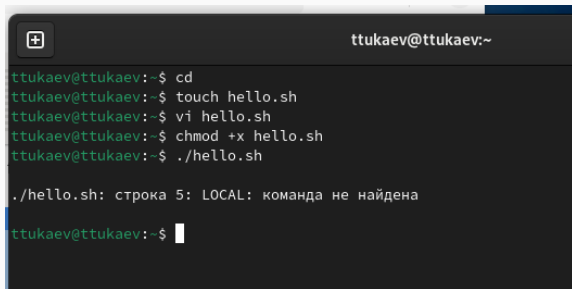
Рис. 1: Создание каталога



The image shows a terminal window with a dark background. The title bar at the top indicates the user is 'ttukaev' at 'ttukaev:~' and the current file is '/usr/libexec/vi hello.sh'. The terminal content shows a shell script being edited in the vi editor. The script starts with a shebang line, followed by a variable assignment, a function definition, and several echo statements. The cursor is positioned at the end of the 'hello' command on the last line of the script.

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

**Рис. 2:** Работа в редакторе Vi

A terminal window with a dark background and a title bar. The title bar contains a window icon on the left and the text 'ttukaev@ttukaev:~' on the right. The terminal shows a series of commands and their output. The commands are: 'cd', 'touch 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 'ttukaev@ttukaev:~\$' is visible at the end of the last command line.

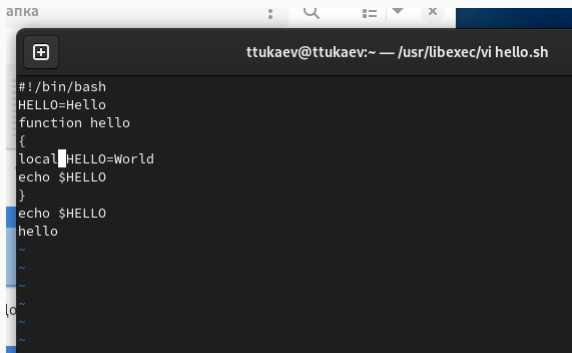
```
ttukaev@ttukaev:~$ cd
ttukaev@ttukaev:~$ touch hello.sh
ttukaev@ttukaev:~$ vi hello.sh
ttukaev@ttukaev:~$ chmod +x hello.sh
ttukaev@ttukaev:~$ ./hello.sh

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

Рис. 3: Запуск файла



# Выполнение работы

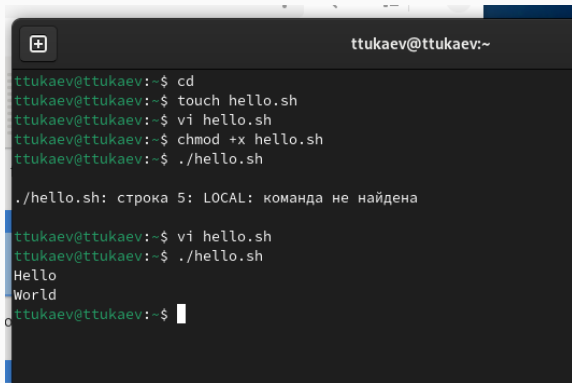


The screenshot shows a terminal window titled 'апка' with a standard macOS-style title bar. The terminal prompt is 'ttukaev@ttukaev:~ — /usr/libexec/vi hello.sh'. The content of the terminal is a shell script being edited in the vi editor. The script defines a function 'hello' that sets a local variable 'HELLO' to 'World' and prints it. The current line being edited is 'echo \$HELLO', with the cursor at the end of the line. The script also includes a 'hello' command and a 'lo' command (partially visible).

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

**Рис. 4:** Работа в редакторе Vi

# Выполнение работы



```
ttukaev@ttukaev:~$ cd
ttukaev@ttukaev:~$ touch hello.sh
ttukaev@ttukaev:~$ vi hello.sh
ttukaev@ttukaev:~$ chmod +x hello.sh
ttukaev@ttukaev:~$ ./hello.sh

./hello.sh: строка 5: LOCAL: команда не найдена

ttukaev@ttukaev:~$ vi hello.sh
ttukaev@ttukaev:~$ ./hello.sh
Hello
World
ttukaev@ttukaev:~$
```

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