

Редактор Vi

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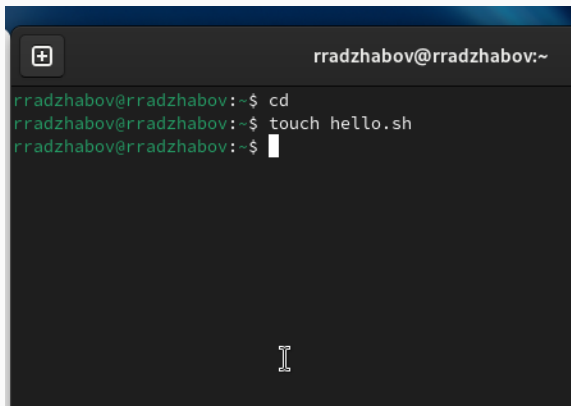
Цели и задачи работы

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

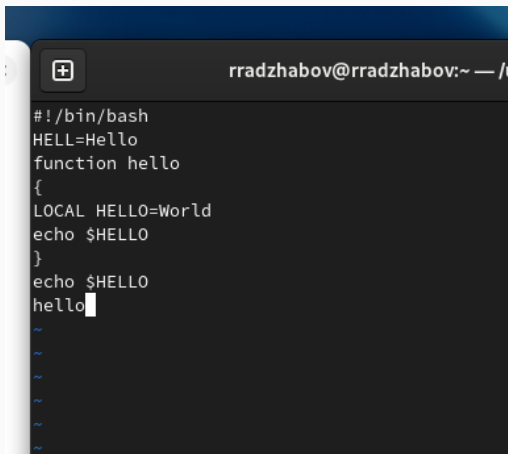


A terminal window with a dark background and a blue header bar. The header bar contains a square icon with a white plus sign on the left and the text 'rradzhakov@rradzhakov:~' on the right. The terminal shows three lines of text: 'rradzhakov@rradzhakov:~\$ cd', 'rradzhakov@rradzhakov:~\$ touch hello.sh', and 'rradzhakov@rradzhakov:~\$' followed by a white cursor. A white cursor is also visible at the bottom center of the terminal window.

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

Рис. 1: Создание каталога

Выполнение работы

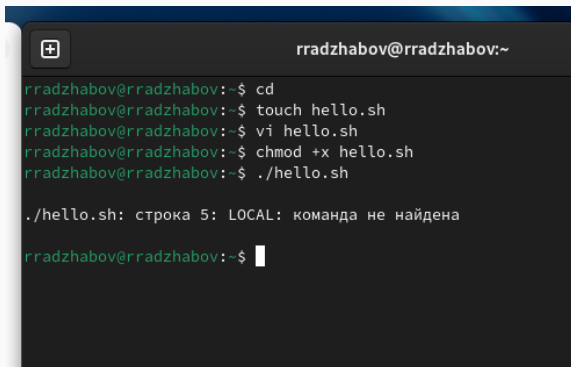


The image shows a terminal window with a dark background. The title bar at the top indicates the user is 'rradzhabov' at a machine named 'rradzhabov', with the current directory being '~'. The terminal content shows a shell script being executed line by line. The script defines a function 'hello' that prints 'Hello World' using the 'echo' command. The user has typed 'hello' and the cursor is at the end of the line, ready for the next command. Below the script, there are several tilde characters (~) representing the shell prompt.

```
rradzhabov@rradzhabov:~ — /  
#!/bin/bash  
HELL=Hello  
function hello  
{  
  LOCAL HELLO=World  
  echo $HELLO  
}  
echo $HELLO  
hello  
~  
~  
~  
~  
~  
~
```

Рис. 2: Работа в редакторе Vi

Выполнение работы



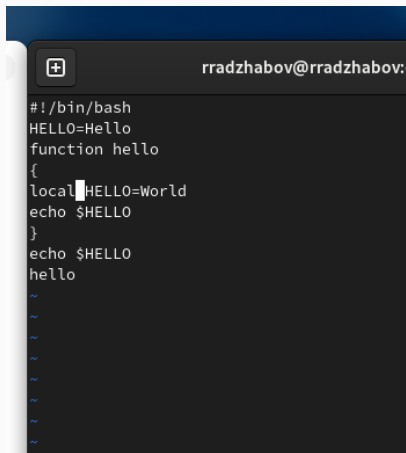
A terminal window with a dark background and a blue header bar. The header bar contains a window control icon on the left and the text 'rradzhabov@rradzhabov:~' on the right. The terminal shows a series of commands and their output:

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

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

rradzhabov@rradzhabov:~$
```

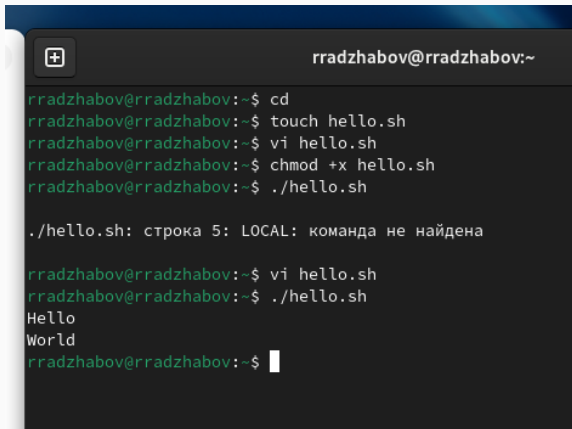
Рис. 3: Запуск файла



The image shows a terminal window with a dark background. The title bar at the top indicates the user is 'rradzhabov@rradzhabov:'. The terminal content shows a bash shell prompt '#!/bin/bash' followed by a script definition: 'HELLO=Hello', 'function hello', '{', 'local HELLO=World', 'echo \$HELLO', '}', 'echo \$HELLO', and 'hello'. The cursor is positioned at the end of the 'local HELLO=World' line. Below the script, there are several tilde '~' characters representing empty lines in the editor buffer.

```
#!/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 a blue header bar. The header bar contains a '+' icon in a square on the left and the text 'rradzhabov@rradzhabov:~' on the right. The terminal shows a series of commands and their outputs. The commands are: 'cd', 'touch hello.sh', 'vi hello.sh', 'chmod +x hello.sh', and './hello.sh'. The first './hello.sh' command results in an error message: './hello.sh: строка 5: LOCAL: команда не найдена'. The second './hello.sh' command results in the output 'Hello' followed by 'World' on the next line. The prompt 'rradzhabov@rradzhabov:~\$' is shown at the end of the last command line.

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

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

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

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