

Редактор Vi

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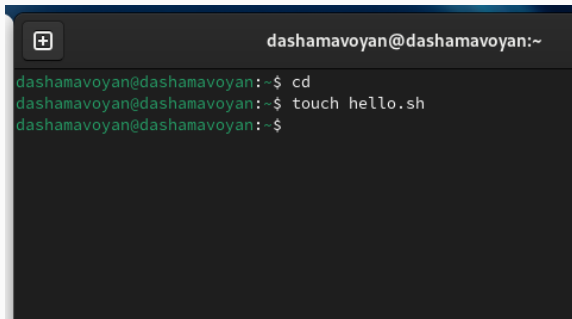
Цели и задачи работы

Цель лабораторной работы

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

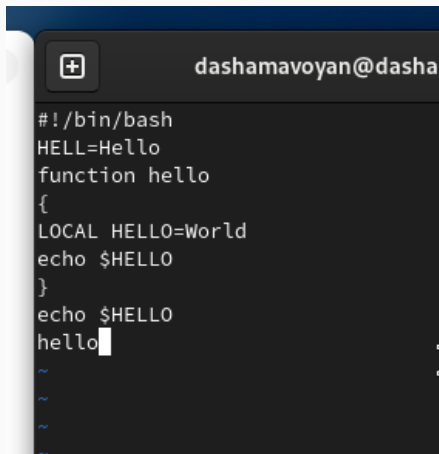
1 Изучить возможности редактора Vi

Процесс выполнения лабораторной работы



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

Рис. 1: Создание каталога

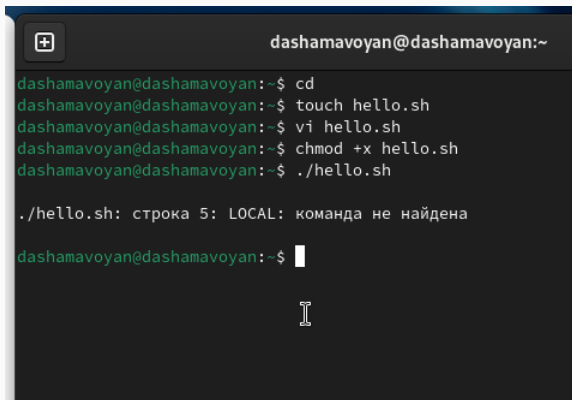


The image shows a terminal window with a dark background. At the top, there is a title bar with a plus icon in a square on the left and the text "dashamavoyan@dasha" on the right. Below the title bar, the terminal displays the following text:

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

The cursor is positioned at the end of the "hello" command on the last line. Below this line, there are three lines of blue tilde characters (~) representing the shell prompt.

Рис. 2: Работа в редакторе Vi



A terminal window with a dark background. The title bar shows a plus icon in a square and the text "dashamavoyan@dashamavoyan:~". The terminal content shows a series of commands and their output:

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

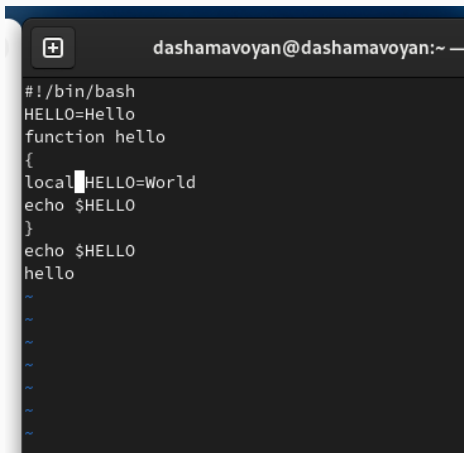
./hello.sh: строка 5: LOCAL: команда не найдена

dashamavoyan@dashamavoyan:~$
```

The cursor is at the end of the last line. A large, light-colored letter 'I' is positioned below the terminal window.

Рис. 3: Запуск файла

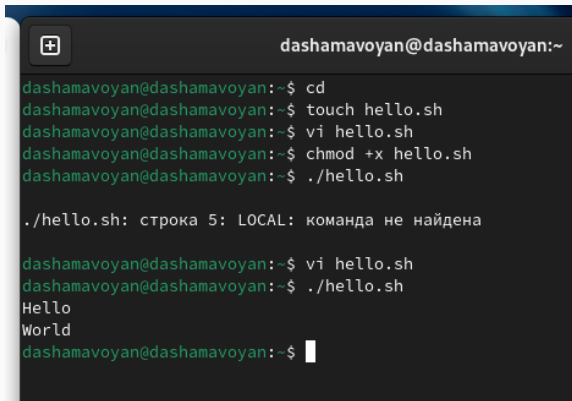
Выполнение работы



The image shows a terminal window with a dark background. The title bar at the top reads "dashamavoyan@dashamavoyan:~". The terminal content shows a shell script being edited. The script defines a function named "hello" that sets a local variable "HELLO" to "World" and prints it. The user has just finished editing the function definition and is now at the "hello" command prompt. The cursor is positioned at the end of the "hello" line.

```
#!/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 title bar. The title bar contains a window control icon on the left and the text 'dashamavoyan@dashamavoyan:~' 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 World'. The prompt 'dashamavoyan@dashamavoyan:~\$' is shown at the end of the last command line.

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

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

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

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