

Редактор Vi

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Цели и задачи работы

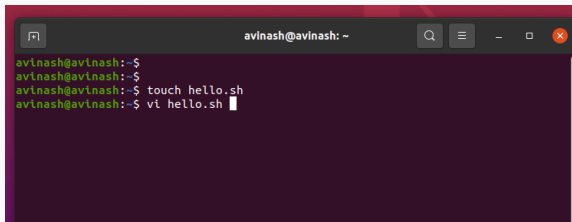
Цель лабораторной работы

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

Выполнение работы



```
avinash@avinash: ~  
avinash@avinash:~$  
avinash@avinash:~$  
avinash@avinash:~$ touch hello.sh  
avinash@avinash:~$ vi hello.sh
```

A terminal window with a dark purple background and a title bar that reads "avinash@avinash: ~". The terminal shows a series of commands: a blank prompt, followed by "touch hello.sh", and then "vi hello.sh" with a cursor at the end. The window has standard Linux window controls (search, menu, close) on the right side of the title bar.

Рис. 1: Создание каталога

Выполнение работы

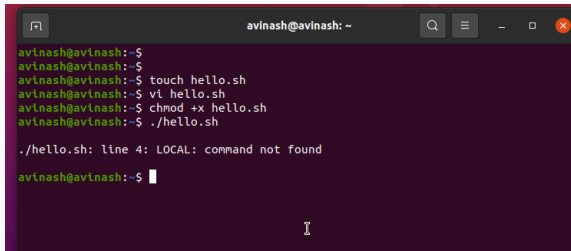


The image shows a terminal window with a dark purple background. The window title bar at the top reads "avinash@avinash: ~" and includes standard window control icons (search, menu, close). The terminal content shows a bash shell prompt "#!/bin/bash" followed by a script definition: "HELL=Hello", a function definition "function hello {" with an indented body "LOCAL HELLO=World" and "echo \$HELLO", and a closing brace "}". Below the function definition, the command "echo \$HELLO" is entered, followed by "hello" on the next line, where the cursor is positioned. Several tilde "~" characters are visible on subsequent lines, likely representing scrollable content.

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

Рис. 2: Работа в редакторе Vi

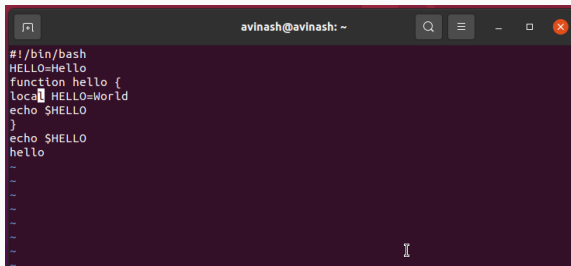
Выполнение работы

A terminal window with a dark purple background and a title bar that reads "avinash@avinash: ~". The terminal shows a series of commands and their outputs. The commands are: "touch hello.sh", "vi hello.sh", "chmod +x hello.sh", and "./hello.sh". The output for the last command is an error message: "./hello.sh: line 4: LOCAL: command not found". The prompt "avinash@avinash:~\$" is visible at the end of each line.

```
avinash@avinash:~$  
avinash@avinash:~$  
avinash@avinash:~$ touch hello.sh  
avinash@avinash:~$ vi hello.sh  
avinash@avinash:~$ chmod +x hello.sh  
avinash@avinash:~$ ./hello.sh  
  
./hello.sh: line 4: LOCAL: command not found  
  
avinash@avinash:~$
```

Рис. 3: Запуск файла

Выполнение работы



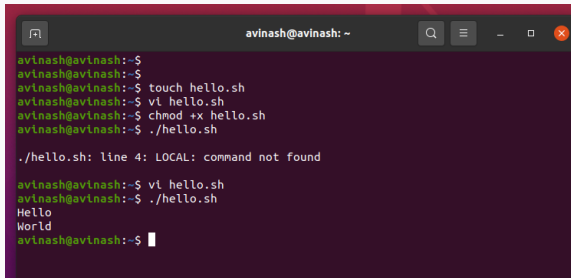
The image shows a terminal window with a dark purple background. The window title bar at the top reads "avinash@avinash: ~". Inside the terminal, a shell script is being edited. The script content is as follows:

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

The cursor is positioned at the end of the line "local HELLO=World". Below the script, there are several empty lines, and a cursor is visible at the bottom of the terminal window.

Рис. 4: Работа в редакторе Vi

Выполнение работы



```
avinash@avinash: ~  
avinash@avinash:~$  
avinash@avinash:~$ touch hello.sh  
avinash@avinash:~$ vi hello.sh  
avinash@avinash:~$ chmod +x hello.sh  
avinash@avinash:~$ ./hello.sh  
  
./hello.sh: line 4: LOCAL: command not found  
  
avinash@avinash:~$ vi hello.sh  
avinash@avinash:~$ ./hello.sh  
Hello  
World  
avinash@avinash:~$
```

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