

Лабораторная работа №10

Malkov Roman Sergeevich

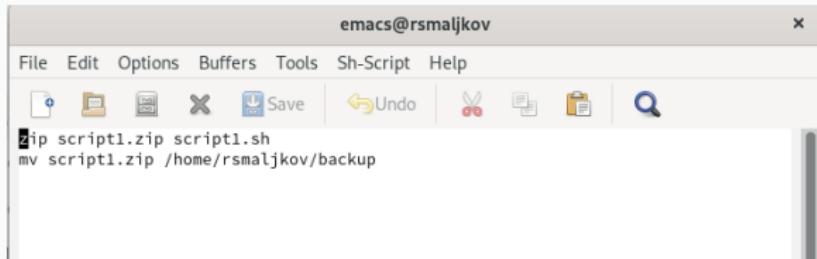
20.05.2022

Цель работы

Изучить основы программирования в оболочке ОС UNIX/Linux. Научиться писать небольшие командные файлы.

Ход работы

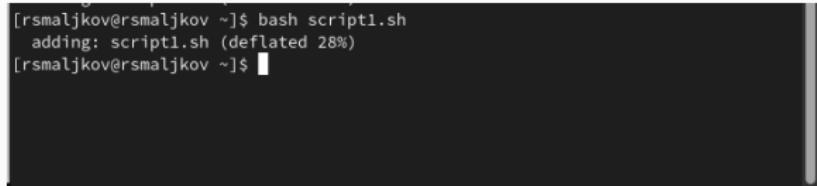
1. Код скрипта и проверка (Скриншоты 1-2)



The screenshot shows an Emacs window titled "emacs@rsmaljkov". The buffer contains the following terminal session:

```
zip script1.zip script1.sh
mv script1.zip /home/rsmaljkov/backup
```

(Скиншот 1)

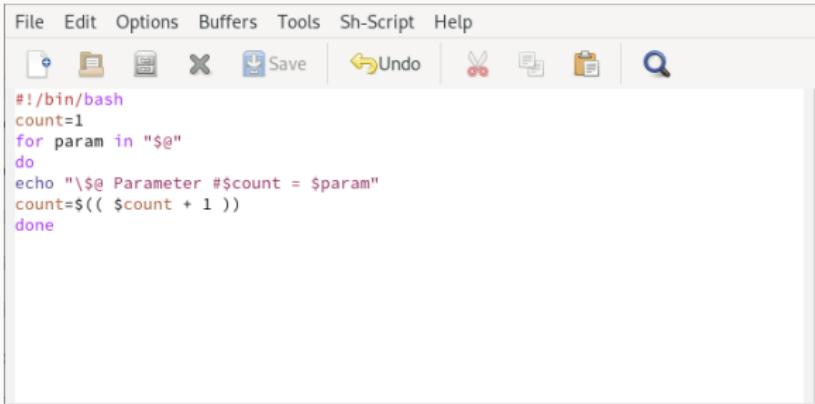


```
[rsmaljkov@rsmaljkov ~]$ bash script1.sh
adding: script1.sh (deflated 28%)
[rsmaljkov@rsmaljkov ~]$
```

(Скриншот 2)

Ход работы

2. Код скрипта и проверка (Скриншоты 3-4)



The screenshot shows a terminal window with a menu bar at the top containing File, Edit, Options, Buffers, Tools, Sh-Script, and Help. Below the menu bar is a toolbar with various icons: a file icon, a clipboard icon, a search icon, a close button, a save button, an undo button, and other utility icons. The main area of the terminal contains the following bash script code:

```
#!/bin/bash
count=1
for param in "$@"
do
echo "\$@ Parameter #$count = $param"
count=$(( $count + 1 ))
done
```

(Скриншот 3)

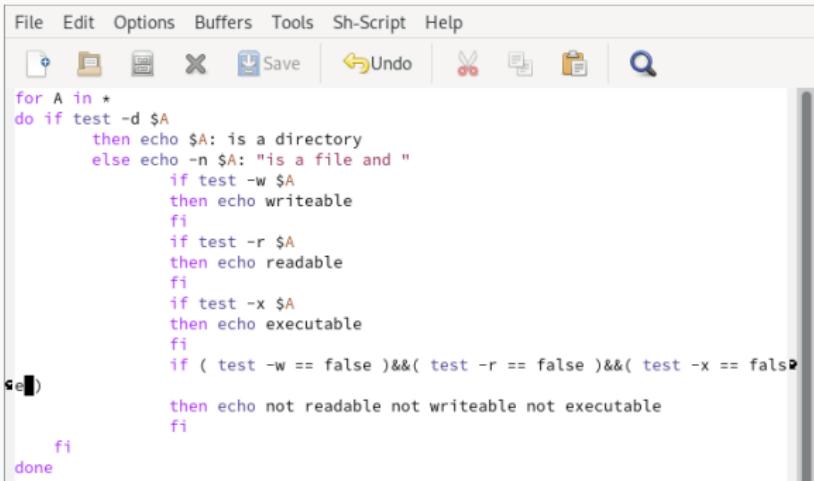
Ход работы

```
[rsmaljkov@rsmaljkov ~]$ bash script2.sh 1 2 3 4 5
$@ Parameter #1 = 1
$@ Parameter #2 = 2
$@ Parameter #3 = 3
$@ Parameter #4 = 4
$@ Parameter #5 = 5
[rsmaljkov@rsmaljkov ~]$
```

(Скриншот 4)

Ход работы

3. Код скрипта и проверка (Скриншоты 5-6)

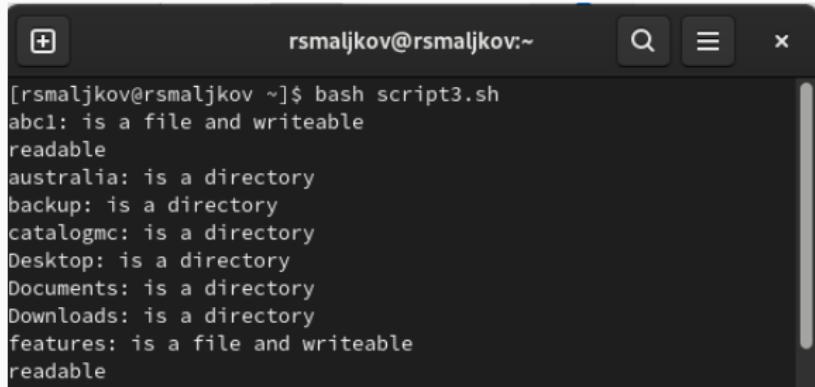


The screenshot shows a terminal window with a menu bar and toolbar. The menu bar includes File, Edit, Options, Buffers, Tools, Sh-Script, and Help. The toolbar contains icons for file operations like Open, Save, Undo, Cut, Copy, Paste, and Find. The main area of the terminal displays a shell script:

```
for A in *
do if test -d $A
    then echo $A: is a directory
else echo -n $A: "is a file and "
    if test -w $A
        then echo writeable
    fi
    if test -r $A
        then echo readable
    fi
    if test -x $A
        then echo executable
    fi
    if ( test -w == false )&&( test -r == false )&&( test -x == false )
        then echo not readable not writeable not executable
    fi
done
```

(Скриншот 5)

Ход работы



A screenshot of a terminal window with a dark theme. The window title is "rsmaljkov@rsmaljkov:~". The terminal displays the following command and its output:

```
[rsmaljkov@rsmaljkov ~]$ bash script3.sh
abc1: is a file and writeable
readable
australia: is a directory
backup: is a directory
catalogmc: is a directory
Desktop: is a directory
Documents: is a directory
Downloads: is a directory
features: is a file and writeable
readable
```

(Скриншот 6)

Ход работы

4. Код скрипта и проверка (Скриншоты 6-7)

```
find: '/home/rsmaljkov/play/games/play': Отказано в доступе
6
[rsmaljkov@rsmaljkov ~]$
```

(Скриншот 6)



The screenshot shows a terminal window with the following content:

```
Открыть ▾ + script4.sh
~/
1 echo "Input dir path: "
2 read dir
3 echo "Input file format: "
4 read format
5 find $dir -name "*$format" -type f | wc -l
```

(Скриншот 7)

Вывод

Мы изучили основы программирования в оболочке ОС UNIX/Linux. Научились писать небольшие командные файлы.