

# Лабораторная работа №10

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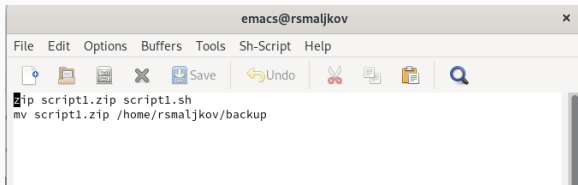
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20.05.2022

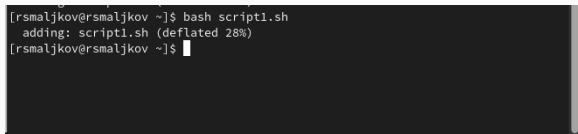
# Цель работы

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

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

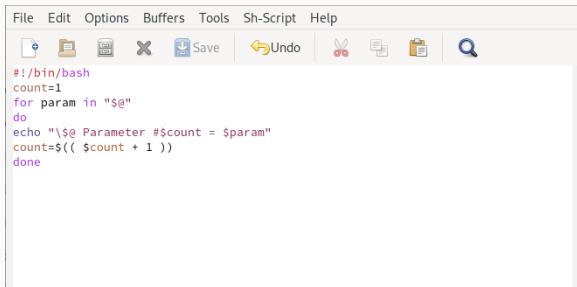


( Скиншот 1 )



( Скриншот 2)

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

A screenshot of a terminal window with a menu bar (File, Edit, Options, Buffers, Tools, Sh-Script, Help) and a toolbar with icons for file operations. The terminal displays a shell script that iterates over command-line arguments and prints them with a counter.

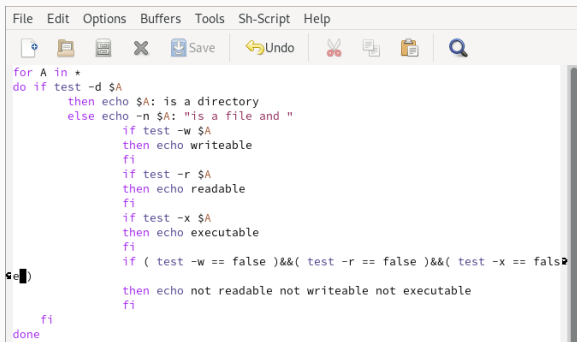
```
#!/bin/bash
count=1
for param in "$@"
do
echo "\$@ Parameter #$count = $param"
count=$(( $count + 1 ))
done
```

( Скриншот 3 )

```
[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 )

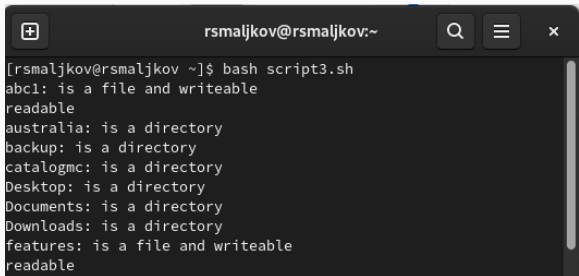
## 3. Код скрипта и проверка ( Скриншоты 5-6)



The screenshot shows a terminal window with a menu bar (File, Edit, Options, Buffers, Tools, Sh-Script, Help) and a toolbar with icons for new file, open, save, undo, cut, copy, paste, and search. The script content is as follows:

```
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
    fi
done
```

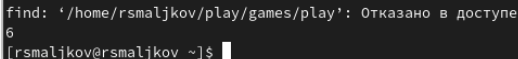
( Скриншот 5 )

A terminal window with a dark background. The title bar shows the user 'rsmaljkov@rsmaljkov:~' and standard window controls. The terminal content shows a command prompt followed by the execution of 'script3.sh'. The script outputs a list of system components and their permissions.

```
[rsmaljkov@rsmaljkov ~]$ bash script3.sh
abcl: 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 )

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



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

( Скриншот 6 )



```
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 )



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