

Презентация Лабораторной работы №11

Лабораторная работа 11

Новосельцев.Д.С. НФИбд-02-20

Цель работы: изучить основы
программирования в оболочке ОС
UNIX/Linux, научиться писать небольшие
командные файлы.

Ход работы:

```
TAR(1)                                GNU TAR Manual                                TAR(1)

NAME
    tar - an archiving utility

SYNOPSIS
    Traditional usage
        tar {A|c|d|r|t|u|x}[GnSkUW0mpsMBiajJzZhPlRvwo] [ARG...]

    UNIX-style usage
        tar -A [OPTIONS] ARCHIVE ARCHIVE

        tar -c [-f ARCHIVE] [OPTIONS] [FILE...]

        tar -d [-f ARCHIVE] [OPTIONS] [FILE...]

        tar -t [-f ARCHIVE] [OPTIONS] [MEMBER...]

        tar -r [-f ARCHIVE] [OPTIONS] [FILE...]

        tar -u [-f ARCHIVE] [OPTIONS] [FILE...]

        tar -x [-f ARCHIVE] [OPTIONS] [MEMBER...]

    GNU-style usage
        tar {--catenate|--concatenate} [OPTIONS] ARCHIVE

        tar --create [--file ARCHIVE] [OPTIONS] [FILE...]

Manual page tar(1) line 1 (press h for help or q to quit)
```



Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".

File Edit Options Buffers Tools Sh-Script Help



```
#!/bin/bash
backupname="ScriptBack.sh"
cp "$0" "$backup_name"
tar -cf laba.tar $backup_name
```

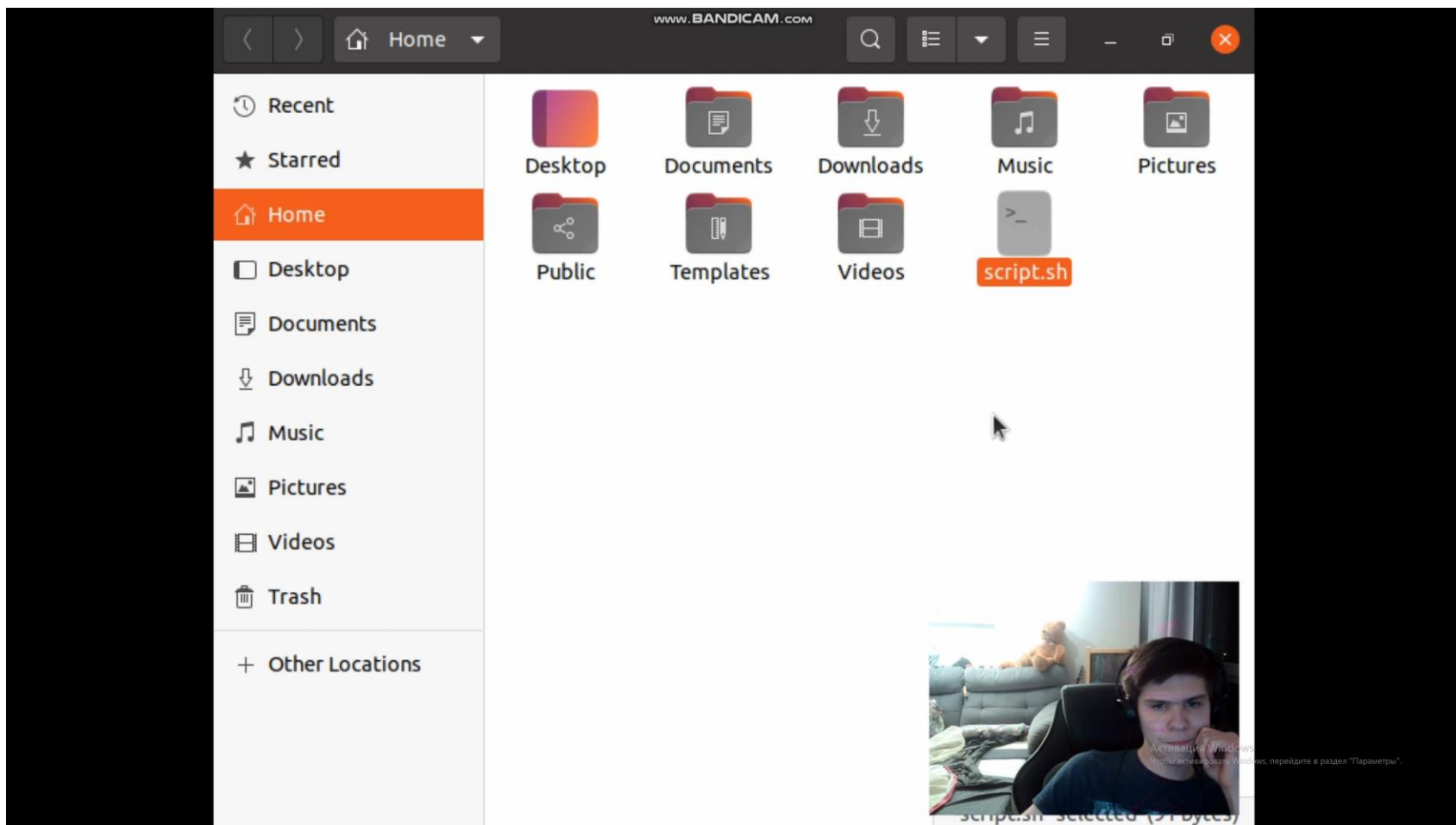
U:**- script.sh All L4 (Shell-script[sh])

Welcome to GNU Emacs, one component of the GNU/Linux operating system.
To follow a link, click Mouse-1 on it, or move to it and click Mouse-2.
To quit a partially entered command, type Control-g.

U:%%- *GNU Emacs* Top L1 (Fundamental)



Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".



File Edit Options Buffers Tools Sh-Script Help



```
#!/bin/bash  
echo "Enter a number"  
head -1
```

-:*** script2.sh All L1 (Shell-script[bash])

Welcome to GNU Emacs, one component of the GNU/Linux operating system.
To follow a link, click Mouse-1 on it, or move to it and click Mouse-1.
To quit a partially entered command, type Control-g.

Important Help menu items:

U:%%- *GNU Emacs* Top L1 (Fundamental)




Активация Windows
Для активации Windows, перейдите в раздел "Параметры".

www.BANDICAM.com

danila@dsnovoseljcev-VirtualBox: ~

```
danila@dsnovoseljcev-VirtualBox:~$ touch script2.sh
danila@dsnovoseljcev-VirtualBox:~$ emacs script2.sh
danila@dsnovoseljcev-VirtualBox:~$ ./script2.sh
bash: ./script2.sh: Permission denied
danila@dsnovoseljcev-VirtualBox:~$ chmod +x script2.sh
danila@dsnovoseljcev-VirtualBox:~$ ./script2.sh
bash: ./script2.sh: bin/bash: bad interpreter: No such file or directory
danila@dsnovoseljcev-VirtualBox:~$ ./script2.sh
bash: ./script2.sh: bin/bash: bad interpreter: No such file or directory
danila@dsnovoseljcev-VirtualBox:~$ emacs script2.sh
danila@dsnovoseljcev-VirtualBox:~$ ./script2.sh
Enter a number
123
123
danila@dsnovoseljcev-VirtualBox:~$
```



File Edit Options Buffers Tools Sh-Script Help



```
#!/bin/bash
for A in *
do if test -d $A
  then echo $A: is a directory
  else echo -n $A: is a file and
    if test -r $A
    then echo readable
    elif test -w $A
    then echo writable
    else echo not readable nor writable
    fi
  fi
done
```

U:--- script3.sh All L14 (Shell-script[sh])

Welcome to GNU Emacs, one component of the GNU/Linux operating system.
To follow a link, click Mouse-1 on it, or move to it and click Mouse-1.
To quit a partially entered command, type Control-g.

U:%%- *GNU Emacs* Top L1 (Fundamental)

Wrote /home/danila/script3.sh



```
danila@dsnovoseljcev-VirtualBox:~$ touch script3.sh
danila@dsnovoseljcev-VirtualBox:~$ chmod +x script3.sh
danila@dsnovoseljcev-VirtualBox:~$ emacs script3.sh
danila@dsnovoseljcev-VirtualBox:~$ ./script3.sh
Desktop: is a directory
Documents: is a directory
Downloads: is a directory
Music: is a directory
Pictures: is a directory
Public: is a directory
script2.sh: is a file andreadable
script2.sh~: is a file andreadable
script3.sh: is a file andreadable
script3.sh~: is a file andreadable
script.sh: is a file andreadable
script.sh~: is a file andreadable
Templates: is a directory
Videos: is a directory
danila@dsnovoseljcev-VirtualBox:~$
```



Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".

File Edit Options Buffers Tools Sh-Script Help



```
#!/bin/bash
format=""
direct=""
echo "point out format: "
read format
echo "point out direct: "
read direct
find "$direct" -name ".$format" -type f | wc -l
```

U:--- script4.sh All L8 (Shell-script[sh])

Welcome to GNU Emacs, one component of the GNU/Linux operating system.
To follow a link, click Mouse-1 on it, or move to it and click Mouse-1.
To quit a partially entered command, type Control-g.

U:%%- *GNU Emacs* Top L1 (Fundamental)

Wrote /home/danila/script4.sh



Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".

```
danila@dsnovoseljcev-VirtualBox: ~  
danila@dsnovoseljcev-VirtualBox:~$ touch script4.sh  
danila@dsnovoseljcev-VirtualBox:~$ chmod +x script4.sh  
danila@dsnovoseljcev-VirtualBox:~$ emacs script4.sh  
danila@dsnovoseljcev-VirtualBox:~$ ./ script4.sh  
bash: ./: Is a directory  
danila@dsnovoseljcev-VirtualBox:~$ ./script4.sh  
point out format:  
sh  
point out direct:  
~/  
find: '~/': No such file or directory  
0  
danila@dsnovoseljcev-VirtualBox:~$ ./script4.sh  
point out format:  
sh  
point out direct:  
/home/danila  
0  
danila@dsnovoseljcev-VirtualBox:~$
```



Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".

Вывод: изучил основы программирования в оболочке ОС UNIX/Linux, научился писать небольшие командные файлы.