

Программирование в командном процессоре ОС UNIX.

Командные файлы

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Отчет по лабораторной работе №11

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

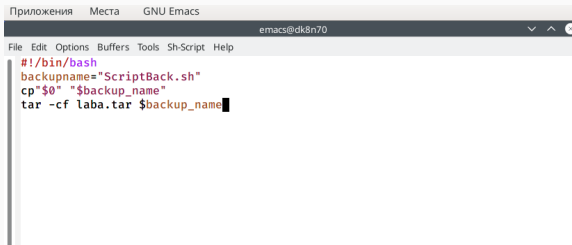
Ход работы

Справка команды архивации

```
ydbashkirova@dk8n70:~  
TAR(1) GNU TAR Manual TAR(1)  
  
NAME  
    tar - an archiving utility  
  
SYNOPSIS  
    Traditional usage  
    tar {A|c|d|r|t|u|x}[GnSkUWOmpsMBiajJzZhPlRvwo] [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...]  
Manual page tar(1) line 1 (press h for help or q to quit)
```

Создание файла и дача ему прав

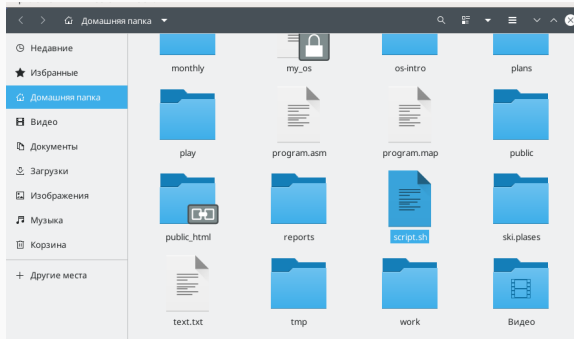
```
ydbashkirova@dk8n70 ~ $ man tar  
ydbashkirova@dk8n70 ~ $ touch script.sh  
ydbashkirova@dk8n70 ~ $ chmod +x script.sh
```

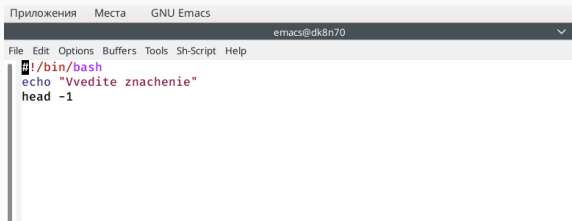


The image shows a screenshot of a GNU Emacs editor window. The title bar at the top contains the text "Приложения Места GNU Emacs". Below the title bar, a status line displays "emacs@dk8n70". The menu bar includes "File Edit Options Buffers Tools Sh-Script Help". The main text area contains a shell script with the following lines: `#!/bin/bash`, `backupname="ScriptBack.sh"`, `cp "$0" "$backup_name"`, and `tar -cf laba.tar $backup_name`. The cursor is positioned at the end of the last line.

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

Скрипт в домашней папке





The image shows a screenshot of a GNU Emacs window. The title bar at the top reads "Приложения Места GNU Emacs". Below the title bar is a dark grey bar with the text "emacs@dk8n70" and a small downward arrow on the right. Underneath this is a menu bar with the items "File", "Edit", "Options", "Buffers", "Tools", "Sh-Script", and "Help". The main area of the window is a terminal buffer containing the following text:

```
#!/bin/bash
echo "Vvedite znachenie"
head -1
```

Вывод всех переданных аргументов

```
ydbashkirova@dk8n70 ~ $ ./script2.sh  
Vvedite znachenie  
1 2 3 4 5  
1 2 3 4 5
```

```
emacs@dk8n70
File Edit Options Buffers Tools Sh-Script Help
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
    elif test -r $A
    then echo readable
    else echo neither readable nor writeable
    fi
fi
done
```

```
addiion.txt: is a file andwriteable
asdfg: is a file andwriteable
asdfg.asm: is a file andwriteable
asdfg.lst: is a file andwriteable
asdfg.map: is a file andwriteable
asdfg.o: is a file andwriteable
australia: is a directory
conf.txt: is a file andwriteable
feathers: is a file andwriteable
file.sh: is a file andwriteable
file.sh~: is a file andwriteable
file.txt: is a file andwriteable
games: is a directory
GNUstep: is a directory
lab02: is a directory
lab03: is a directory
lab03-1: is a file andwriteable
lab03-1.asm: is a file andwriteable
lab03-1.lst: is a file andwriteable
lab03-1.map: is a file andwriteable
lab03-1.mnmap: is a file andwriteable
lab03-1.o: is a file andwriteable
```

```
emacs@uk8n70
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
ls
```

Вычисление количества файлов

```
ydbashkirova@dk8n70 ~ $ ./script3.sh
point out format
.sh
point out direct
/home/ydbashkirova/
find: '/home/ydbashkirova/': Нет такого файла или каталога
0
addiion.txt    australia    games        lab03-1.lst  lab04
asdfg          conf.txt    GNUstep      lab03-1.map  lab05
asdfg.asm      feathers    lab02        lab03-1.mnap lab06
asdfg.lst      file.sh     lab03        lab03-1.o    lab06.asm
asdfg.map      file.sh~    lab03-1      lab03a       lab06.o
asdfg.o        file.txt    lab03-1.asm  lab03b       '#lab09.sh#'
```

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