Программирование в командномпроцессоре ОС UNIX. Командные файлы

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Цель работы

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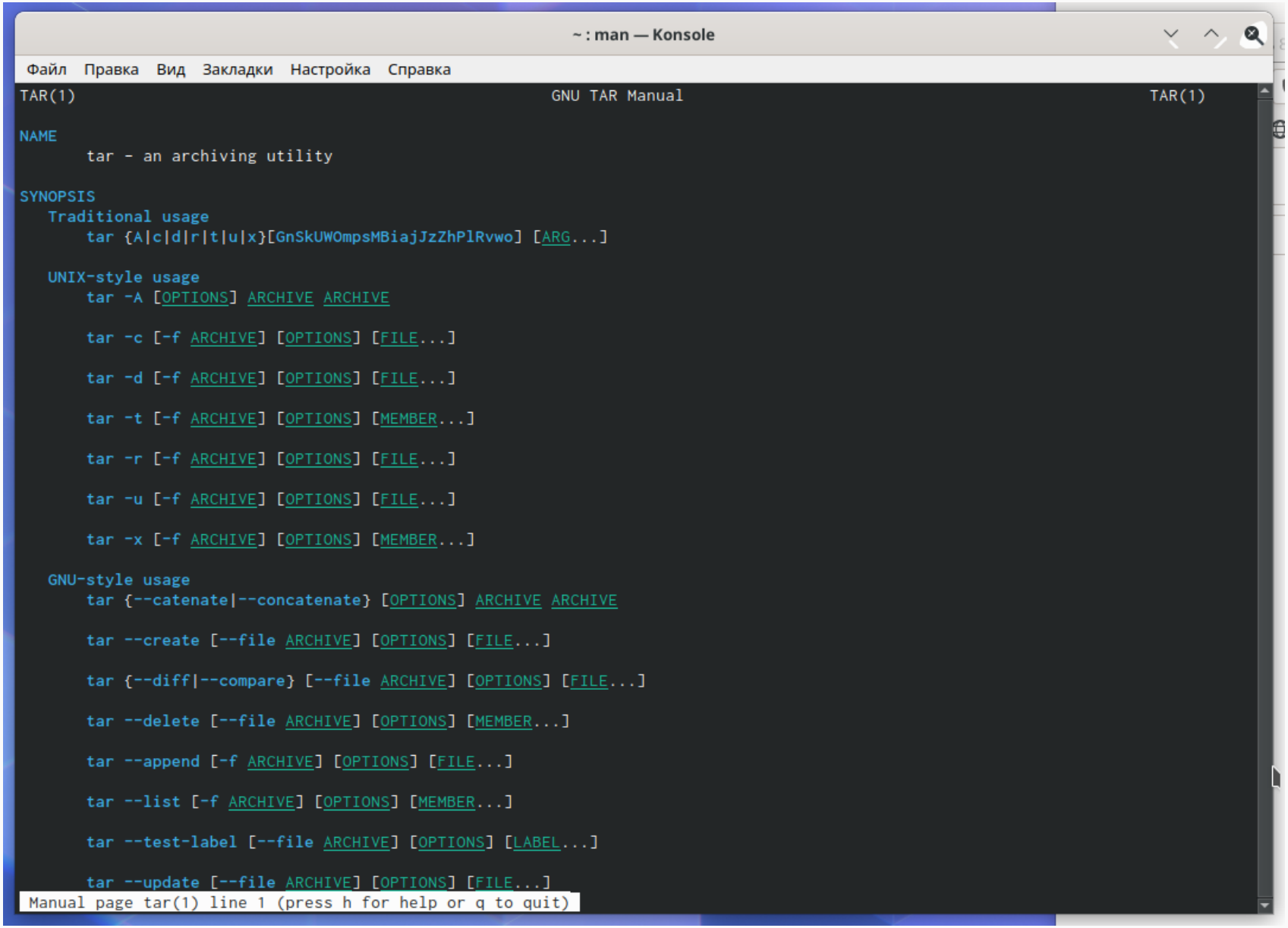
Изучить основы программирования в оболочке ОС UNIX/Linux.

Научиться писать небольшие командные файлы.

Справка команды архивации



Создание файла и дача ему права

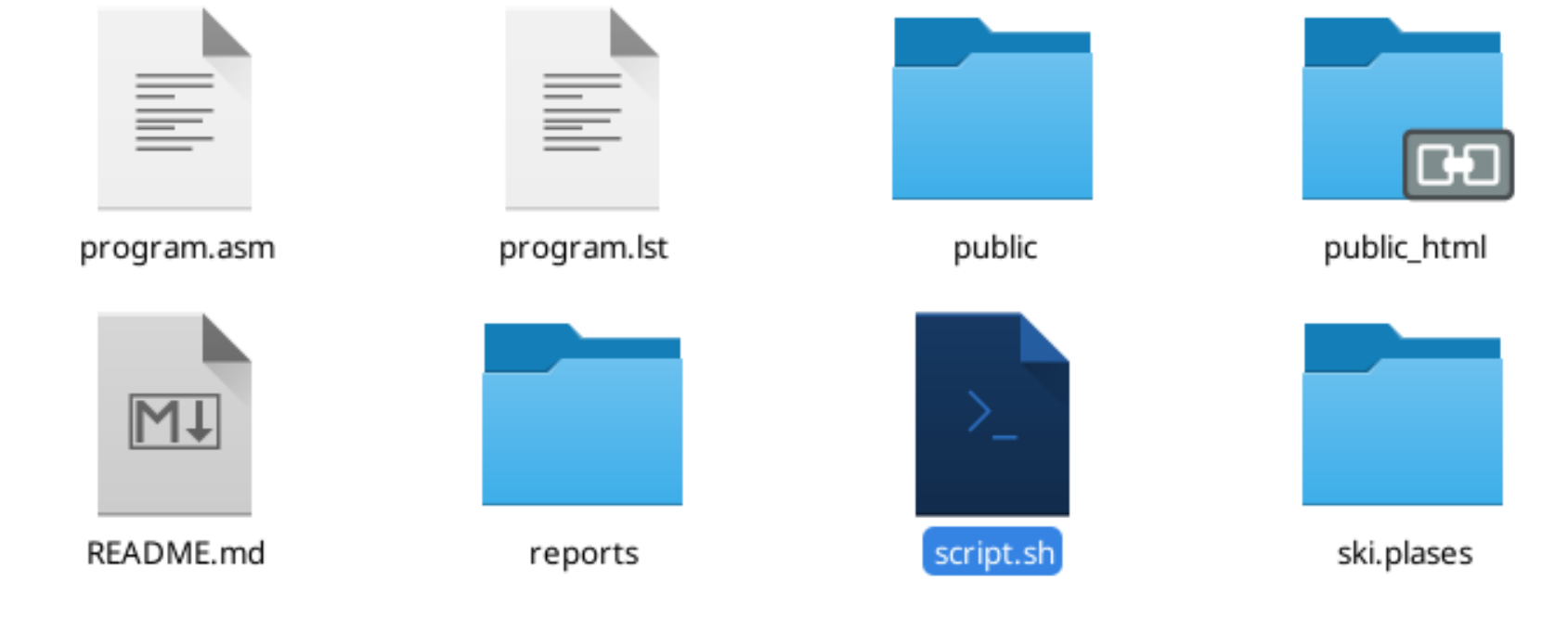
```
bdzhumaev@dk8n81 ~ $ man tar
bdzhumaev@dk8n81 ~ $ touch script.sh
bdzhumaev@dk8n81 ~ $ chmod +x script.sh
```

Скрипт 1

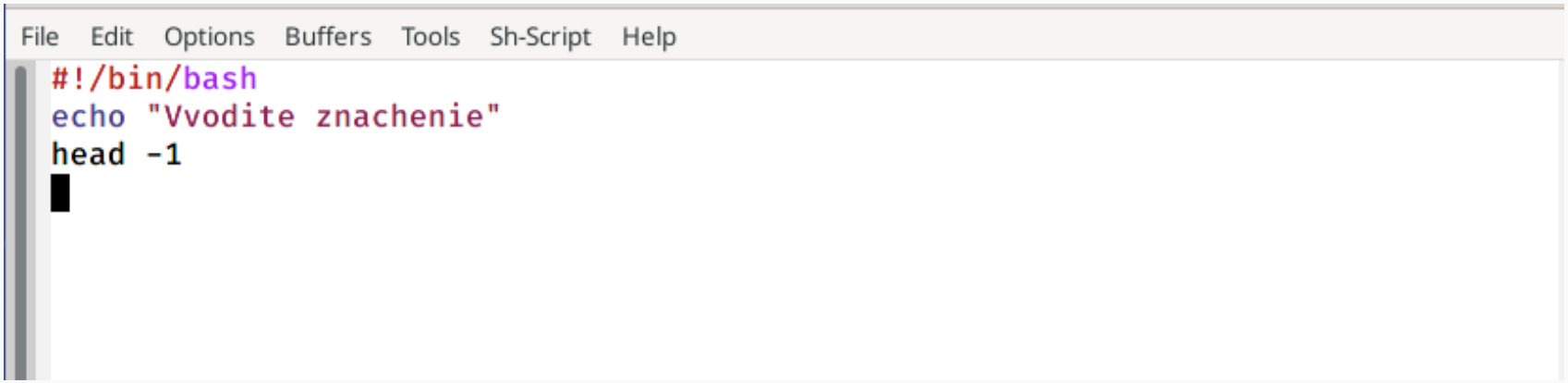
File Edit Options Buffers Tools Sh-Script Help

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

Скрипт в домашней папке



Скрипт 2


File Edit Options Buffers Tools Sh-Script Help
#!/bin/bash
echo "Vvodite znachenie"
head -1

Вывод всех переданных аргументов

```
bdzhumaev@dk8n81 ~ $ emacs script2.sh
bdzhumaev@dk8n81 ~ $ ./script2.sh
Vvodite znachenie
1 2 3 4 5
1 2 3 4 5
```

Командный файл

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 -w $A
        then echo writeable
        elif test -r $A
        then echo readable
        else echo neither readable nor writeable
        fi
   fi
done
```

Информация

```
bdzhumaev@dk8n81 ~ $ ./file.sh
AA: is a directory
abc1: is a file andwriteable
asdfg: is a file andwriteable
asdfg.asm: is a file andwriteable
file.sh: is a file andwriteable
file.sh~: is a file andwriteable
GNUstep: is a directory
#lab10.sh#: is a file andwriteable
lab10.sh: is a file andwriteable
lab10.sh~: is a file andwriteable
laboratory: is a directory
main.asm: is a file andwriteable
main.lst: is a file andwriteable
Makefile: is a file andwriteable
may: is a file andwriteable
memos: is a directory
misk: is a directory
nasm.asm: is a file andwriteable
nasm.lst: is a file andwriteable
program: is a file andwriteable
program.asm: is a file andwriteable
program.lst: is a file andwriteable
public: is a directory
public_html: is a directory
README.md: is a file andwriteable
reports: is a directory
script2.sh: is a file andwriteable
script2.sh~: is a file andwriteable
script.sh: is a file andwriteable
script.sh~: is a file andwriteable
ski.plases: is a directory
tmp: is a directory
work: is a directory
Видео: is a directory
Документы: is a directory
Загрузки: is a directory
```

Скрипт 3

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

```
bdzhumaev@dk8n81 ~ $ touch script3.sh
bdzhumaev@dk8n81 ~ $ chmod +x script3.sh
bdzhumaev@dk8n81 ~ $ emacs script3.sh
bdzhumaev@dk8n81 ~ $ emacs script3.sh
bdzhumaev@dk8n81 ~ $ ./script3.sh
point out format
.sh
point out direct
/home/bdzhumaev/
find: ‘/home/bdzhumaev/’: Нет такого файла или каталога
0
 AA          file.sh~      laboratory   memos      program.asm   reports       script.sh    Видео          Общедоступные
 abc1        GNUstep       main.asm     misk       program.lst   script2.sh    script.sh~   Документы     'Рабочий стол'
 asdfg      '#lab10.sh#'   main.lst     nasm.asm   public        script2.sh~   ski.plases   Загрузки       Шаблоны
 asdfg.asm   lab10.sh      Makefile     nasm.lst   public_html   script3.sh    tmp          Изображения
 file.sh     lab10.sh~     may          program    README.md     script3.sh~   work         Музыка
```

Вывод

Я изучал основы програмирования в оболочке ОС UNIX/Linux и научился писать небольшие команды файлы.