

Программирование в командном процессоре ОС UNIX. Расширенное программирование

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Изучить основы программирования в оболочке ОС UNIX. Научиться писать более сложные командные файлы с использованием логических управляющих конструкций и циклов.

Выполнение лабораторной работы

```
vvmurashko1@dk8n70 ~ $ touch lab13.sh  
vvmurashko1@dk8n70 ~ $ chmod +x lab13.sh
```

File Edit Options Buffers Tools Sh-Script Help

```
#!/bin/bash
lockfile="./lockfile"
exec {fn}>$lockfile
echo "lock"
until flock -n ${fn}
do
    echo "not lock"
    sleep 1
    flock -n ${fn}
done
for ((i=0;i<=5; i++))
do
    echo "work"
    sleep 1
done
```

```
vvmurashko1@dk8n70 ~ $ ./lab13.sh
```

```
lock
```

```
work
```

```
work
```

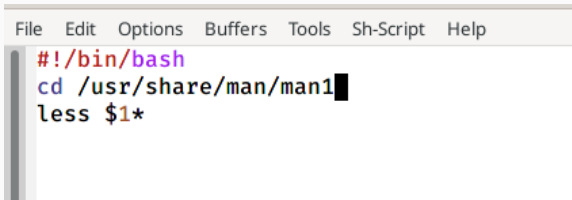
```
work
```

```
work
```

```
work
```

```
work
```

```
vvmurashko1@dk8n70 ~ $ touch lab131.sh  
vvmurashko1@dk8n70 ~ $ chmod +x lab131.sh
```



A screenshot of a terminal window with a menu bar at the top containing 'File', 'Edit', 'Options', 'Buffers', 'Tools', 'Sh-Script', and 'Help'. The terminal displays three lines of text: the first line is a shebang `#!/bin/bash` with the `bin` part in red and `bash` in purple; the second line is `cd /usr/share/man/man1` with `cd` in blue and a black cursor at the end; the third line is `less $1*` with `less` in blue and `$1*` in red.

```
File Edit Options Buffers Tools Sh-Script Help
#!/bin/bash
cd /usr/share/man/man1
less $1*
```



```
vvmurashko1@dk8n70 ~ $ ./lab131.sh less  
vvmurashko1@dk8n70 ~ $ ./lab131.sh
```

411toppm User Manual(0)

NAME
411toppm - convert Sony Mavica .411 image to PPM

SYNOPSIS
411toppm [-width width] [-height height] [411file]

DESCRIPTION

This program is part of Netpbm(1)

411toppm reads a .411 file, such as from a Sony Mavica camera, and converts it to a PPM image as output.

Output is to Standard Output.

The originator of this program and decipherer of the .411 format, Steve Allen <sla@alumni.caltech.edu>, has this to say about nail (especially when you have the full size JPG file) that the only point in doing this was to answer the implicit challenge

OPTIONS

All options may be abbreviated to the shortest unique prefix.

-width The width (number of columns) of the input image. Default is 64.

-height
The height (number of rows) of the input image. Default is 48.

SEE ALSO
ppm(5)

DOCUMENT SOURCE

This manual page was generated by the Netpbm tool 'makenan' from HTML source. The master documentation is at

<http://netpbm.sourceforge.net/doc/411toppm.html>

```
vvmurashko1@dk8n70 ~ $ touch lab130.sh  
vvmurashko1@dk8n70 ~ $ chmod +x lab130.sh
```

Командный файл

```
File Edit Options Buffers Tools Sh-Script Help
#!/bin/bash
M=10
c=1
d=1
echo
echo "10 random words:"
while (($c!=($M+1)))
do
    echo $(for((i=1;i<=10;i++)); do printf '%s' "${RANDOM:0:1}"; done) | tr '0-9' '[a-z]'
    echo $d
    ((c+=1))
    ((d+=1))
done
```

Случайная последовательность букв

```
vvmurashko1@dk8n70 ~ $ ./lab130.sh
```

```
10 random words:
```

```
bbbbibfbcg
```

```
1
```

```
bchcicgbdb
```

```
2
```

```
dddbbefegb
```

```
3
```

```
bccbbbgdbc
```

```
4
```

```
hgbbbcecec
```

```
5
```

```
cbbdccbbbc
```

```
6
```

```
cbbbcbbhhc
```

```
7
```

```
cbjjbbbecj
```

```
8
```

```
bbcbhbidgb
```

```
9
```

```
bdbccbcce
```

```
10
```

Я изучила основы программирования в оболочке ОС UNIX и научилась писать более сложные командные файлы с использованием логических управляющих конструкций и циклов.