1. Навигация по файловой системе:

stark@stark-VirtualBox:~$ ls

andromeda Desktop Downloads milkyway Pictures snap Templates cv\_debug.log Documents KU Music Public Stark Videos

stark@stark-VirtualBox:~$ cd Desktop

stark@stark-VirtualBox:~/Desktop$ cd ..

stark@stark-VirtualBox:~$ rm milkyway Stark

stark@stark-VirtualBox:~$ ls

andromeda Desktop Downloads Music Public Templates

cv\_debug.log Documents KU Pictures snap Videos

stark@stark-VirtualBox:~$ mkdir Milkyway

stark@stark-VirtualBox:~$ cd Milkyway

stark@stark-VirtualBox:~/Milkyway$ mkdir Solarsistem

stark@stark-VirtualBox:~/Milkyway$ cd Solarsistem

stark@stark-VirtualBox:~/Milkyway/Solarsistem$ > Solar Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune Pluto

Mercury: command not found

stark@stark-VirtualBox:~/Milkyway/Solarsistem$ ls

Solar

stark@stark-VirtualBox:~/Milkyway/Solarsistem$ touch Mercury Venus Earth Mars Jupiter Saturn Uranus Neptune Pluto

stark@stark-VirtualBox:~/Milkyway/Solarsistem$ ls

Earth Jupiter Mars Mercury Neptune Pluto Saturn Solar Uranus Venus

stark@stark-VirtualBox:~/Milkyway/Solarsistem$ rm Pluto

stark@stark-VirtualBox:~/Milkyway/Solarsistem$ mv ~/Milkyway/Solarsistem/Earth ~/Milkyway

stark@stark-VirtualBox:~/Milkyway/Solarsistem$ ls

Jupiter Mars Mercury Neptune Saturn Solar Uranus Venus

stark@stark-VirtualBox:~/Milkyway/Solarsistem$ cd ..

stark@stark-VirtualBox:~/Milkyway$ ls

Earth Solarsistem

stark@stark-VirtualBox:~/Milkyway$ rm -r Solarsistem

stark@stark-VirtualBox:~/Milkyway$ ls

Earth

1. Работа с командами:

stark@stark-VirtualBox:~$ ls  
andromeda Desktop Downloads Milkyway Pictures snap Videos  
cv\_debug.log Documents KU Music Public Templates

stark@stark-VirtualBox:~$ mkdir Russia && cd Russia

stark@stark-VirtualBox:~/Russia$ cd ye || cd ..  
bash: cd: ye: No such file or directory

stark@stark-VirtualBox:~$  
stark@stark-VirtualBox:~/Milkyway$ cd ~/andromeda; touch ya.txt && ping [ya.ru](https://vk.com/away.php?utf=1&to=http%3A%2F%2Fya.ru) | grep '14' » ya.txt  
^C

stark@stark-VirtualBox:~/andromeda$ ls  
ya.txt  
stark@stark-VirtualBox:~/andromeda$ cat ya.txt  
stark@stark-VirtualBox:~/andromeda$ cd ~/andromeda; touch ya.txt && ping [ya.ru](https://vk.com/away.php?utf=1&to=http%3A%2F%2Fya.ru) | grep '4' » ya.txt  
^C

stark@stark-VirtualBox:~/andromeda$ cat ya.txt  
PING [ya.ru](https://vk.com/away.php?utf=1&to=http%3A%2F%2Fya.ru) (87.250.250.242) 56(84) bytes of data.  
64 bytes from [ya.ru](https://vk.com/away.php?utf=1&to=http%3A%2F%2Fya.ru) (87.250.250.242): icmp\_seq=1 ttl=247 time=5.52 ms  
64 bytes from [ya.ru](https://vk.com/away.php?utf=1&to=http%3A%2F%2Fya.ru) (87.250.250.242): icmp\_seq=2 ttl=247 time=5.59 ms  
64 bytes from [ya.ru](https://vk.com/away.php?utf=1&to=http%3A%2F%2Fya.ru) (87.250.250.242): icmp\_seq=3 ttl=247 time=5.81 ms  
64 bytes from [ya.ru](https://vk.com/away.php?utf=1&to=http%3A%2F%2Fya.ru) (87.250.250.242): icmp\_seq=4 ttl=247 time=6.22 ms  
64 bytes from [ya.ru](https://vk.com/away.php?utf=1&to=http%3A%2F%2Fya.ru) (87.250.250.242): icmp\_seq=5 ttl=247 time=5.58 ms

stark@stark-VirtualBox:~/andromeda$

1. Перенаправление

srark@srark-VirtualBox:~$ printf "it will be cleaned" > te.txt

srark@srark-VirtualBox:~$ cat te.txt

it will be cleanedsrark@srark-VirtualBox:~$ ls > te.txt

srark@srark-VirtualBox:~$ cat te.txt

Desktop

Documents

Downloads

Music

Pictures

Public

snap

Templates

te.txt

Videos

srark@srark-VirtualBox:~$ printf "It will be added" >> te.txt

srark@srark-VirtualBox:~$ cat te.txt

Desktop

Documents

Downloads

Music

Pictures

Public

snap

Templates

te.txt

Videos

It will be added

srark@srark-VirtualBox:~$ cd nonexistentfile 2> te.txt

srark@srark-VirtualBox:~$ cat te.txt

bash: cd: nonexistentfile: No such file or directory

srark@srark-VirtualBox:~$ cd nonexistentfile 2>> te.txt

srark@srark-VirtualBox:~$ cat te.txt

bash: cd: nonexistentfile: No such file or directory

bash: cd: nonexistentfile: No such file or directory

srark@srark-VirtualBox:~$ cat > te.txt

Desktop

srark@srark-VirtualBox:~$ cat >> te1.txt < te.txt

srark@srark-VirtualBox:~$ cat te1.txt

Desktop

srark@srark-VirtualBox:~$ cat >> te1.txt << te.txt

> jfu

> ergd

>

bash: warning: here-document at line 51 delimited by end-of-file (wanted `te.txt')

srark@srark-VirtualBox:~$ cat te1.txt

Desktop

jfu

ergd

srark@srark-VirtualBox:~$ cat >> te1.txt <<< "cUiii"

srark@srark-VirtualBox:~$ cat te1.txt

Desktop

jfu

ergd

cUiii

1. Конвейер

srark@srark-VirtualBox:~$ help | grep "com" | sort | head | cat

A star (\*) next to a name means that the command is disabled.

command [-pVv] command [arg ...] readonly [-aAf] [name[=value] ...] o>

compgen [-abcdefgjksuv] [-o option] [> return [n]

complete [-abcdefgjksuv] [-pr] [-DEI]> select NAME [in WORDS ... ;] do COMM>

compopt [-o|+o option] [-DEI] [name .> set [-abefhkmnptuvxBCHP] [-o option->

coproc [NAME] command [redirections] shopt [-pqsu] [-o] [optname ...]

exec [-cl] [-a name] [command [argume> true

These shell commands are defined internally. Type `help' to see this list.

Use man -k' or info' to find out more about commands not in this list

1. Метасимволы

srark@srark-VirtualBox:~$ cd ~/Desktop && mkdir "SolarSistem" && cd ../Desktop/././SolarSistem && touch f1 f2 f3 f4 f5 6f f6f f7f f8 f34 f88 f55555 f12

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls | grep "f$"

6f

f6f

f7f

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls | grep "f6\*"

6f

f1

f12

f2

f3

f34

f4

f5

f55555

f6f

f7f

f8

f88

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls | grep "f[12345679]"

f1

f12

f2

f3

f34

f4

f5

f55555

f6f

f7f

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls | grep "f[1-9]"

f1

f12

f2

f3

f34

f4

f5

f55555

f6f

f7f

f8

f88

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls | grep -E "f11?"

f1

f12

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls | grep -E "f5{5}"

f55555

1. Управление правами

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls -l

total 0

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 6f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f1

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f12

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f2

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f3

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f34

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f4

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f5

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f55555

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f6f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f7f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f8

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f88

srark@srark-VirtualBox:~/Desktop/SolarSistem$ chmod ugo+wxr f1

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls -l

total 0

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 6f

-rwxrwxrwx 1 srark srark 0 сен 25 12:27 f1

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f12

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f2

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f3

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f34

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f4

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f5

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f55555

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f6f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f7f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f8

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f88

srark@srark-VirtualBox:~/Desktop/SolarSistem$ chmod u-rw 6f

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls -l

total 0

----rw-r-- 1 srark srark 0 сен 25 12:27 6f

-rwxrwxrwx 1 srark srark 0 сен 25 12:27 f1

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f12

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f2

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f3

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f34

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f4

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f5

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f55555

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f6f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f7f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f8

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f88

srark@srark-VirtualBox:~/Desktop/SolarSistem$ chmod o+wx f12

srark@srark-VirtualBox:~/Desktop/SolarSistem$ ls -l

total 0

----rw-r-- 1 srark srark 0 сен 25 12:27 6f

-rwxrwxrwx 1 srark srark 0 сен 25 12:27 f1

-rw-rw-rwx 1 srark srark 0 сен 25 12:27 f12

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f2

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f3

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f34

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f4

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f5

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f55555

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f6f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f7f

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f8

-rw-rw-r-- 1 srark srark 0 сен 25 12:27 f88

7. Управление процессами

srark@srark-VirtualBox:~$ jobs -l

srark@srark-VirtualBox:~$ gedit &

[1] 14951

srark@srark-VirtualBox:~$ jobs -l

srark@srark-VirtualBox:~$ ping ya.ru >> f1 &

[1] 15136

srark@srark-VirtualBox:~$ ping google.com >> 6f &

[2] 15153

srark@srark-VirtualBox:~$ help >> f2 &

[3] 15167

srark@srark-VirtualBox:~$ jobs -l

[1] 15136 Running ping ya.ru >> f1 &

[2]- 15153 Running ping google.com >> 6f &

[3]+ 15167 Done help >> f2

srark@srark-VirtualBox:~$ fg %1

ping ya.ru >> f1

gb %1

^C

srark@srark-VirtualBox:~$ jobs -l

[2]+ 15153 Running ping google.com >> 6f &

srark@srark-VirtualBox:~$ disown 15153

srark@srark-VirtualBox:~$ jobs -l

srark@srark-VirtualBox:~$ ping ya.ru | grep "5" | cat >> f1 &

[1] 15392

srark@srark-VirtualBox:~$ jobs -l

[1]+ 15390 Running ping ya.ru

15391 | grep --color=auto "5"

15392 | cat >> f1 &

srark@srark-VirtualBox:~$ kill 15391

srark@srark-VirtualBox:~$ jobs -l

[1]+ 15390 Broken pipe ping ya.ru

15391 Terminated | grep --color=auto "5"

15392 Done | cat >> f1

srark@srark-VirtualBox:~$ ps

PID TTY TIME CMD

14930 pts/2 00:00:00 bash

15153 pts/2 00:00:00 ping

15457 pts/2 00:00:00 ps

srark@srark-VirtualBox:~$ jobs -l

srark@srark-VirtualBox:~$