8.

Unix.   **Unix**

Цель задания –   Unix
                                    Oracle VM VirtualBox.

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                                    Unix   **-**
https://selectel.ru/blog/basic-linux-commands/

Chmod -   .   chmod
                          :
chmod [-fhv] [-R [- | -L | -]]   _   ...
Chown -   /   .
                                    :
chown [-fhv] [-R [- | -L | -P]]   [   ]   ...
chown [-fhv] [-R [- | -L | -P]]   ...

Su -   .
                                    :
su [-] [-fhns] [-   ] [[   ]]
sudo -   sudo   su
                          ,   .
              sudo   :
sudo [-HSb] [-   ] {-s | }
passwd -   .
                                    :
passwd [-l] [   ]
useradd -   -
          .
                                    :
useradd [-u   [-] [-i]] [-g   ] [-G   [[,   ] . . .]] [-d   ] [-s shell] [-
              ] [-m [-k skel_dir]] [-f inactive] [-e expire] [- p passgen] [-   [,. . .]]
              _
userdel -   .
                                    :
userdel [-] [-n   ]   _

usermod -   -
.

:

usermod [-   [-U] [-]] [-g   ] [-G   [[,   ] . . .]] [-d   [-m]] [-s
shell] [-   ] [-1   _   _   ] [-f inactive] [- expire] [- passgen] [-
[   ]   [, . . .]]   _

groupadd -   .

:

groupadd [-g   [-]]

groupdel -   -   .

:

groupdel

groupmod -   .

:

groupmod [-g   [-]] [-n   ]

1.

Oracle VM VirtualBox,   .
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1.   1s
: ls -1.

,   .

.   *:*   (   ),
-   .

2.   ls -1 /bin/bash.

,   .

,   /bin/bash.

.   *UNIX*
.

3.   -   .
/tmp ls -ld /tmp

,   .

.   *sticky-bit,*
.

4.   .   ,   : rm
/bin/bash.

,   .

?   ,   ?

5.   chmod.
: chmod = test.txt.

6.
: chmod go-rwx test.txt.

,   .

2.   .

1.   suid-   ,   ,
passwd,   : Is -1 /bin/passwd.
user@desktop ~ $ ls-1/bin/passwd
-rw s-x-xl root root 28660   813:05 /bin/passwd*

2.   suid-   .
                              ,   passwd,
ps aux | grep passwd:
user@desktop ~ $ passwd
Changing password for user
(current) UNIX password:
user@desktop ~ $ ps aux |greppasswd
root 129370.00.132281012 pts/2 S+ 23:280:00 passwd
user 129890.00.12740748 pts/3 R+ 23:280:00 greppasswd

3.   su.
                        -,   : su -.
            ,   ,   .
user@desktop ~ $ su -
Password:
desktop ~ #

                                         ,   .
4.   exit:
desktop ~ # exit
logout
user@desktop ~ $

        3.

1.   /etc/passwd.
                              cat /etc/passwd:
user@desktop ~ S cat/etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x: 1:1 :bin:/bin:/bin/false
daemon: x: 2:2: daemon: /sbin: /bin/false
adm: x: 3:4: adm: /var/adm: /bin/false

2.   /etc/group.
                              cat /etc/group:
user@desktop ~ $ cat/etc/group
root:x:0:root
bin:x: 1 :root,bin,daemon
daemon:x:2:root,bin,daemon
sys:x:3 :root,bin,adm

4. .

1. useradd.
- :
:

useradd testuser -d /home/users/testuser -s /bin/sh,
cat /etc/passwd | grep testuser.

desktop ~ # cat /etc/passwd

testuser:x: 1003:1003: :/home/users/testuser:/bin/sh

2. passwd - : passwd testuser.

desktop ~ # passwd testuser

New UNIX password:

Retype new UNIX password:

passwd:

3. /etc/passwd,
usermod. ,
/bin/false
: usermod -s /bin/false testuser.

desktop ~ # usermod -s /bin/false testuser

4. userdel: userdel testuser.

desktop ~ # userdel testuser

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1. , ( )
(, ,
. .).

2. /bin /tmp.
?

3. ,
.

4. ,
,
?

5. suid- .

6. , -
/bin/false.