Основы интерфейса взаимодействия пользователя с системой Unix на уровне командной строки

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Цели и задачи работы _______

Цель лабораторной работы

Приобретение практических навыков взаимодействия пользователя с системой посредством командной строки.

Задачи лабораторной работы

- 1 Определить имя и путь домашнего каталога
- 2 Изучить команду ls.
- 3 Выполнить действия с каталогами.
- 4 Получить дополнительные сведения при помощи справки по командам.
- 5 Изучить команду history.

Процесс выполнения

лабораторной работы

Имя и путь к домашнему каталогу



Figure 1: Путь к домашнему каталогу

```
farida_gulieva@farida-gulieva-VirtualBox:-$ cd /tmp/
farida_gulieva@farida-gulieva-VirtualBox:/tmp$ ls
config.err.CTHBV
manusers
systemd-private-cd8faca763c043d09463ba9627013e2b-toolord.service-Vr3xDV
systemd-private-cd8faca763c043d09463ba9627013e2b-toolord.service-Private-Hn2TMV
systemd-private-cd8faca763c043d09463ba9627013e2b-systemd-logind.service-yrHo4R
systemd-private-cd8faca763c043d09463ba9627013e2b-systemd-resolved.service-2vh3Em
systemd-private-cd8faca763c043d09463ba9627013e2b-systemd-tmesynd.service-2vh3Em
systemd-private-cd8faca763c043d09463ba9627013e2b-systemd-tmesynd.service-1vzA6C
systemd-private-cd8faca763c043d09463ba9627013e2b-upower.service-2zLvYE
farida_gulieva@farida-gulieva-VirtualBox:/tmp$
```

Figure 2: Команда ls

```
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```

Figure 3: Команда ls -a

Figure 4: Команда ls -l

Figure 5: Команда ls -f

Каталог cron

```
farida_gulieva@farida-gulieva-VirtualBox:/tmp$ cd /var/spool/
farida_gulieva@farida-gulieva-VirtualBox:/tmp$ cd /var/spool/
farida_gulieva@farida-gulieva-VirtualBox:/tmp$ cd /var/spool$ ls -l
wroro 20
drwxr-xr-x 2 root root 4096 cen 5 13:04 anacron
drwxr-xr-x 3 root root 4096 won 26 17:32 cron
drwxr-xr-x 3 root lp 4096 won 26 17:32 cron
drwxr-xr-x 3 root root 4096 won 26 17:38 cups
drwxr-xr-x 3 root root 4096 won 26 17:39 libreoffice
lrwxrwxrux 1 root root 4096 won 26 17:39 libreoffice
lrwxrwxrux 1 root root 4096 won 26 17:37 mail -> ../mail
drwx---- 2 syslog adm 4006 gex 30 2021 rsyslog
farida_gulieva@farida-gulieva-VirtualBox:/var/spool$
```

Figure 6: Каталог cron

Домашний каталог

```
rida gulieva@farida-gulieva-VirtualBox:/var/spool$
farida gulieva@farida-gulieva-VirtualBox:/var/spool$
farida gulieva@farida-gulieva-VirtualBox:/var/spool$ cd
work Видео Документы Загрузки Изображения Музыка Общедоступные 'Рабочий стол'
farida gulieva@farida-gulieva-VirtualBox:~$ ls -al
drwxr-x--- 20 farida qulieva farida qulieva 4096 сен 5 14:31
 rw-r--r-- 1 farida gulieva farida gulieva
                                          220 сен 5 12:58
                                                             .bash logout
     --r-- 1 farida gulieva farida gulieva 3771 сен 5 12:58
drwxrwxr-х 4 farida gulieva farida gulieva 4096 сен
drwxr-xr-x 15 farida gulieva farida gulieva 4096 сен 5 14:31
-гу-гу-г-- 1 farida gulieva farida gulieva 205 сен
drwx----- 4 farida gulieva farida gulieva 4096 сен
                                           22 сен 5 12:58
-rw-r--r-- 1 farida gulieva farida gulieva
-rw-r--r-- 1 farida gulieva farida gulieva
                                                             .atkrc-xfce
drwxrwxr-x 4 farida gulieva farida gulieva
                                           4096 сен 5 14:12
drwxrwxr-х 3 farida gulieva farida gulieva 4096 сен 5 13:04
     ·--- 4 farida gulieva farida gulieva 4096 сен
                                                    5 14:30 .mozilla
-rw-r--r-- 1 farida gulieva farida gulieva 807 сен
drwx----- 2 farida gulieva farida gulieva 4096 сен 5 14:31
-rw-r--r-- 1 farida gulieva farida gulieva
                                           0 сен 5 14:23 .sudo as admin successful
           2 farida qulieva farida qulieva 4096 сен 5 13:05
                                             5 сен 5 13:06
                                                             .vboxclient-clipboard.pid
     ···· 1 farida gulieva farida gulieva
                                             5 cen 5 13:06 .vboxclient-display-syga-x11.pid
       --- 1 farida gulieva farida gulieva
                                                             .vboxclient-draganddrop.pid
                                             5 сен 5 13:06
                                                            .vboxclient-seamless.pid
drwxrwxr-x 3 farida gulieva farida gulieva 4096 cen 5 14:31 work
          1 farida gulieva farida gulieva 70 сен 5 13:06 .Xauthority
```

Figure 7: Файлы в домашнем каталоге

Работа с каталогами

```
Fording pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raids-pulseous/raid
```

Figure 8: Действия с каталогами

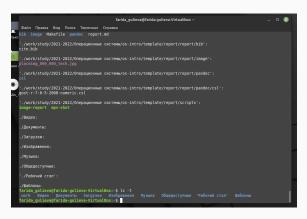


Figure 9: Команда ls -R и ls -t

```
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```

Figure 10: Справка по команде cd



Figure 11: Справка по команде pwd

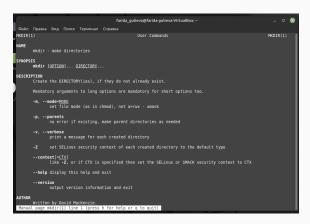


Figure 12: Справка по команде mkdir

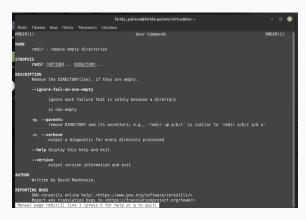


Figure 13: Справка по команде rmdir



Figure 14: Справка по команде rm

История командной строки

```
farida_gulieva@farida-gulieva-VirtualBox: ~
Файл Правка Вид Поиск Терминал Справка
  32 make COURSE=os-intro
  33 git add
  34 git commit -am 'feat(main): make course structure'
  35 git push
  36 clear
37 cd
  38 pwd
  39 cd /tmp/
  41 ls -a
  42 ls -l
  44 cd /var/spool/
  45 ls -l
  48 ls -al
     mkdir newdir
  50 mkdir newdir/morefun
     mkdir letters memos misk
  52 ls
  53 rm letters/ memos/ misk/
  54 rm -r letters/ memos/ misk/
  55 rmdir newdir/
  58 help cd
  60 man mkdir
  61 man rmdir
  64 man rm
  65 history
farida_gulieva@farida-gulieva-VirtualBox:~$
```

Figure 15: Команда history

Выводы по проделанной работе

Вывод

Мы приобрели практические навыки взаимодействия пользователя с системой посредством командной строки.