Основы интерфейса взаимодействия пользователя с системой Unix на уровне командной строки

Хассан Факи Абакар¹

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¹Российский Университет Дружбы Народов

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

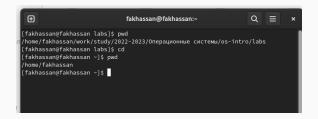


Рис. 1: Путь к домашнему каталогу

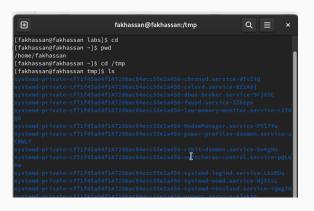


Рис. 2: Команда ls

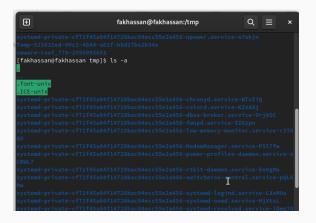


Рис. 3: Команда ls -a

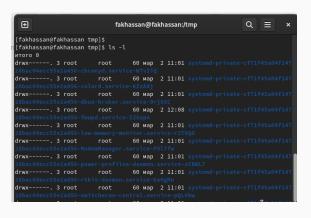


Рис. 4: Команда ls -l

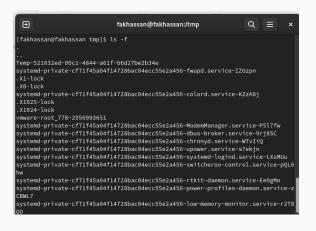


Рис. 5: Команда ls -f

Каталог /var/spool

```
| Takhassangfakhassan tmp|$ | Cakhassangfakhassan tmp|$ | Cakhassangfakhassan tmp|$ | Cakhassangfakhassan spol|$ | Cakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhassangfakhasangfakhasangfakhasangfakhasangfakhasangfakhasangfakhasangfakhasangfak
```

Рис. 6: Kaтaлог /var/spool

Домашний каталог

```
\blacksquare
                             fakhassan@fakhassan:~
                                                                 \alpha =
fakhassan@fakhassan spoolls cd
fakhassan@fakhassan ~]$ ls
[fakhassan@fakhassan ~1$ ls −al
drwx----. 1 fakhassan fakhassan 498 dem 18 16:22
                                  928 map 1 18:56
    ----. 1 fakhassan fakhassan 5507 фев 23 13:04 .bash_history
rw-r--r-. 1 fakhassan fakhassan 18 окт 11 17:45 .bash logout
     -r--. 1 fakhassan fakhassan 141 окт 11 17:45
                                                   .bash_profile
rw-r--r-. 1 fakhassan fakhassan 492 окт 11 17:45
                                                   .bashrc
     ----. 1 fakhassan fakhassan 402 фев 18 🎉 6:34
drwx----- 1 fakhassan fakhassan 334 фев 18 16:23
-rw-r--r--. 1 fakhassan fakhassan 232 фев 18 16:22
                                                   .gitconfig
drwx-----, 1 fakhassan fakhassan 134 фев 23 13:04
drwx----. 1 fakhassan fakhassan
                                26 фев 18 16:34
drwxr-xr-x. 1 fakhassan fakhassan 48 фев 18 15:56
drwx----. 1 fakhassan fakhassan 132 фев 18 16:23
drwxr-xr-x. 1 fakhassan fakhassan 18 ноя 19 22:28
drwxrwxrwx. 1 fakhassan fakhassan 10 окт 15 12:20
drwxr-xr-x. 1 fakhassan fakhassan
                                 0 ноя 19 22:04
drwxr-xr-x. 1 fakhassan fakhassan 0 ноя 19 22:04
drwxr-xr-x. 1 fakhassan fakhassan
                                  34 Map 2 12:14
```

Рис. 7: Файлы в домашнем каталоге

Работа с каталогами

```
[fakhassan@fakhassan ~]$
[fakhassan@fakhassan ~]$ mkdir newdir
[fakhassan@fakhassan ~]$ mkdir newdir/morefun
[fakhassan@fakhassan ~]$ mkdir letters memos misk
[fakhassan@fakhassan ~1$ ls
                    work Документы Изображения Общедоступные Шаблоны
[fakhassan@fakhassan ~]$ rm letters/ memos/ misk/
rm: невозможно удалить 'letters/': Это каталог
rm: невозможно удалить 'memos/': Это каталог
rm: невозможно удалить 'misk/': Это каталог
[fakhassan@fakhassan ~]$ rm -r letters/ memos/ misk/
[fakhassan@fakhassan ~l$ rm -r newdir/
[fakhassan@fakhassan ~]$ sl
bash: sl: команда не найдена...
Аналогичная команда: 'ls'
[fakhassan@fakhassan ~]$ ls
 fakhassan@fakhassan ~1$
```

Рис. 8: Действия с каталогами

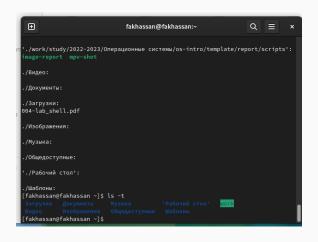


Рис. 9: Команда ls -R и ls -t

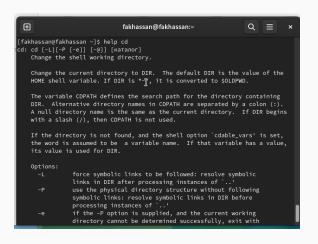


Рис. 10: Справка по команде cd

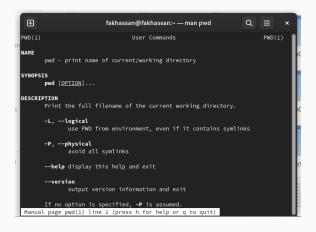


Рис. 11: Справка по команде pwd

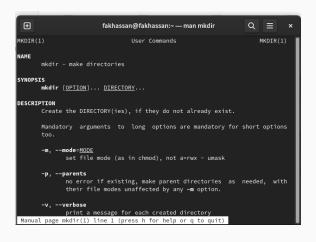


Рис. 12: Справка по команде mkdir

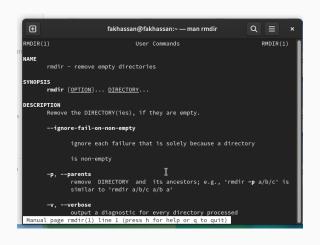


Рис. 13: Справка по команде rmdir

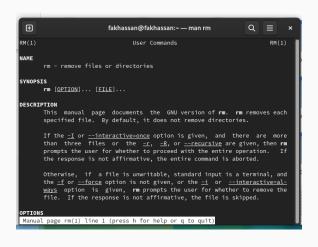


Рис. 14: Справка по команде rm

История командной строки

```
€
                           fakhassan@fakhassan:~
                                                             Q ≡
238 ls
239 ls -al
241 ls
242 ls -al
243 mkdir newdir
244 mkdir newdir/morefun
245 mkdir letters memos misk
247 rm letters/ memos/ misk/
248 rm -r letters/ memos/ misk/
249 rm -r newdir/
250 sl
251 ls
252 ls -r
253 ls -R
254 ls -t
255 help cd
256 man pwd
257 man mkdir
258 man rmdir
259 man rm
260 history
fakhassan@fakhassan ~]$
```

Рис. 15: Команда history

Выводы по проделанной работе

Вывод

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