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



Рис. 1: Путь к домашнему каталогу

```
adelmansour@adelmansour:-ścd /tmp
adelmansour@adelmansour:/tmp$ ls
dbus-NPETREM
dbus-NPETREM
dbus-NPETREM
dbus-NPETREM
dbus-NPETREM
dbus-NPETREM
dbus-NPETREM
dbus-NPETREM
dbus-NPETREM
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-colord.service-xX29Tp
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-faupd.service-xX29Tp
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-faupd.service-xY20t0
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-penemony-monitor.service-TVTro
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-penemony-monitor.service-TOTVTro
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-pener-profiles-dammon.service-SJKNHH
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-pener-profiles-dammon.service-TOTCdg
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-ystemd-totkero-control.service-fpyx79
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-systemd-fpind.service-dbwicu
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-systemd-totkero-control.service-fpyx79
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-systemd-resolved.service-jb7pkD
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-systemd-resolved.service-jb7pkD
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
systemd-private-scdf9a9b583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7kD0
tmarendo-fp4ab583244id1b2f7487c4815b4d0-systemd-resolved.service-fb7k
```

Рис. 2: Команда ls

```
X0-lock
X1024-lock
X1025-lock
X1-lock
  lmansour@adelmansour:/tmp$
```

Рис. 3: Команда ls -a

Рис. 4: Команда ls -l

```
/MwareDnD
Temp-42394e4d-f214-4ab2-8392-c3980228c67f
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-fwupd.service-N592xx
.X1-lock
X0-lock
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-colord.service-xK29Tp
X1025-lock
dbus-PKE2i9ui
dbus-JMpE7hem
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-ModemManager.service-N2Dnrk
vmware-root 869-3988752892
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-upower.service-XiDfU6
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-systemd-logind.service-09vWCu
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-switcheroo-control.service-fpvx75
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-rtkit-daemon.service-TTCdtg
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-power-profiles-daemon.service-5JKMNH
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-polkit.service-PE8SpG
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-low-memory-monitor.service-0TyTro
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-chronyd.service-1Iu9pc
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-dbus-broker.service-zYa0t0
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-systemd-resolved.service-jb7pkD
systemd-private-9cdf9a9b583241d1b2f7487c4815b4d0-systemd-oomd.service-7t043H
font-unix
XTM-unix
TCF-unix
 delmansour@adelmansour:/tmp$
```

Рис. 5: Команда ls -f

Каталог /var/spool

```
adelmansour@adelmansour:/tmp$
adelmansour@adelmansour:/tmp$ cd /var/spool/
@adelmansour@adelmansour:/var/spool$ ls -l
итого 0
drwxr-x--x. 1 root abrt 1582 мар 8 12:35 abrt
drwx-----. 1 abrt abrt 0 июл 19 2023 abrt-upload
drwx--x---. 1 root lp 6 ноя 1 04:09 cups
drwxr-xr-x. 1 root root 0 июл 21 2023 lpd
drwxrwxr-x. 1 root mail 1200 мар 8 16:54 mail
drwxr-xr-x. 1 root root 0 июл 21 2023 plymouth
adelmansour@adelmansour:/var/spool$
```

Рис. 6: Kaтaлог /var/spool

Домашний каталог

```
And the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of the accomplish terminary April 2 of a control of t
```

Рис. 7: Файлы в домашнем каталоге

Работа с каталогами

Рис. 8: Действия с каталогами

```
*/purk/study/203-2024/Ompaquemous cucrems/os-intro/template/report/scripts':
**Magni-report mpr-shot
**Agreement
**/Bacquement
**/Bacquement
**/Bacquement
**/Asafpyament
*
```

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

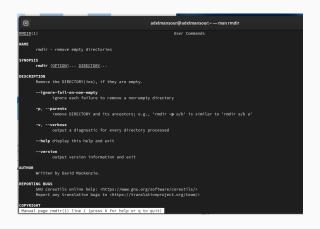


Рис. 13: Справка по команде rmdir



Рис. 14: Справка по команде rm

История командной строки

```
14
      cd
  15 ls
  16 ls -al
  17 mkdir newdir
  18 mkdir newdir/morefun
  19 mkdir letters memos misk
  20 ls
  21 rm letters/ memos/ misk/
  22 rm -r letters/ memos/ misk/
  23 rm -r newdir/
  24 ls
  25 ls -R
  26 ls -t
  27 man cd
  28 man pwd
  29 man mkdir
  30 man rmdir
  31 man rm
  32 history
adelmansour@adelmansour:~$
```

Рис. 15: Команда history

Выводы по проделанной работе

Вывод

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