

РОССИЙСКИЙ УНИВЕРСИТЕТ ДРУЖБЫ НАРОДОВ

Факультет физико-математических и естественных наук

Кафедра прикладной информатики и теории вероятностей

ОТЧЕТ

ПО ЛАБОРАТОРНОЙ РАБОТЕ № 2

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МОСКВА

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Оглавление

1. Цель работы.....	2
2. Выполнение задания.....	3
2.1. Перемещение по файловой системе.....	3
2.2. Создание пустых каталогов и файлов.....	10
2.3. Перемещение и удаление файлов или каталогов.....	15
2.4. Команда cat: вывод содержимого файлов	19
3. Задание для самостоятельной работы	20
4. Результат.....	35

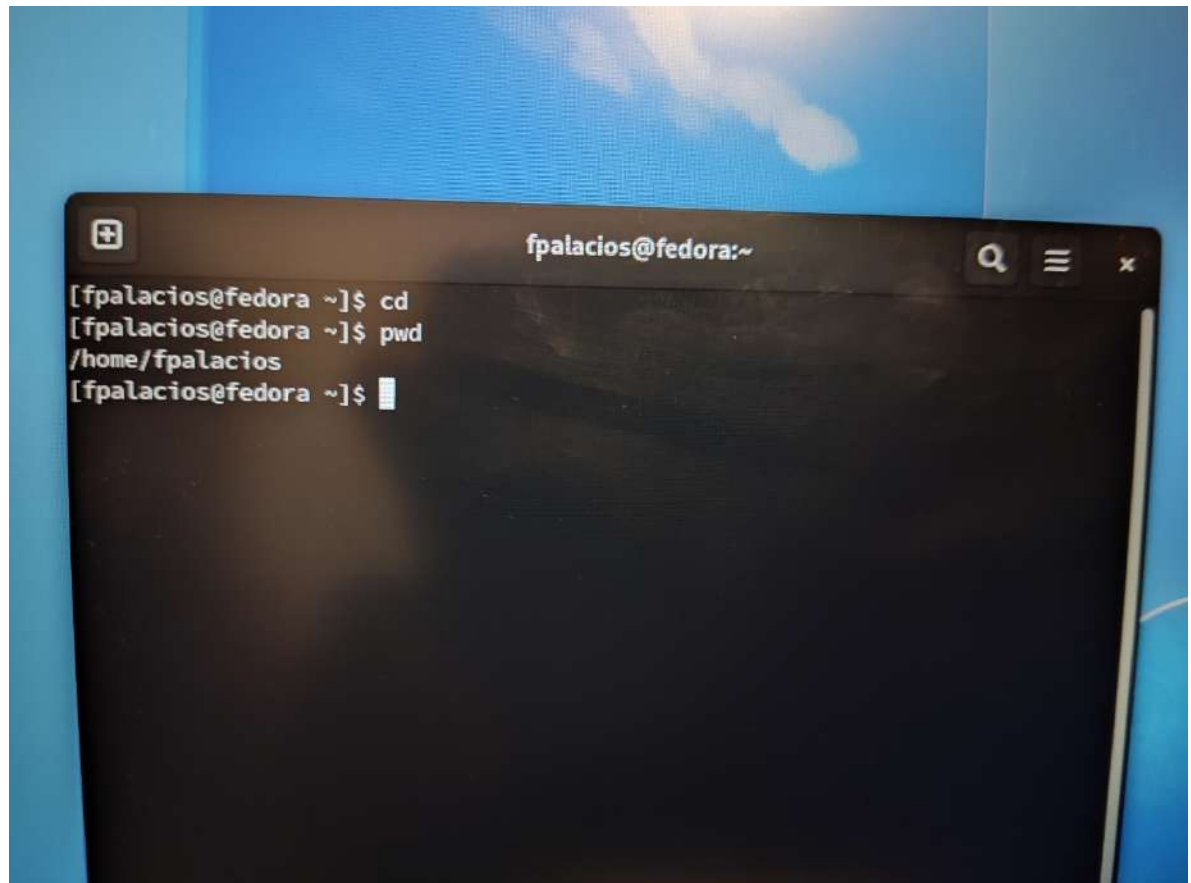
1. Цель работы

Приобретение практических навыков работы с операционной системой на уровне командной строки (организация файловой системы, навигация по файловой системе, создание и удаление файлов и директорий).

2. Выполнение задания

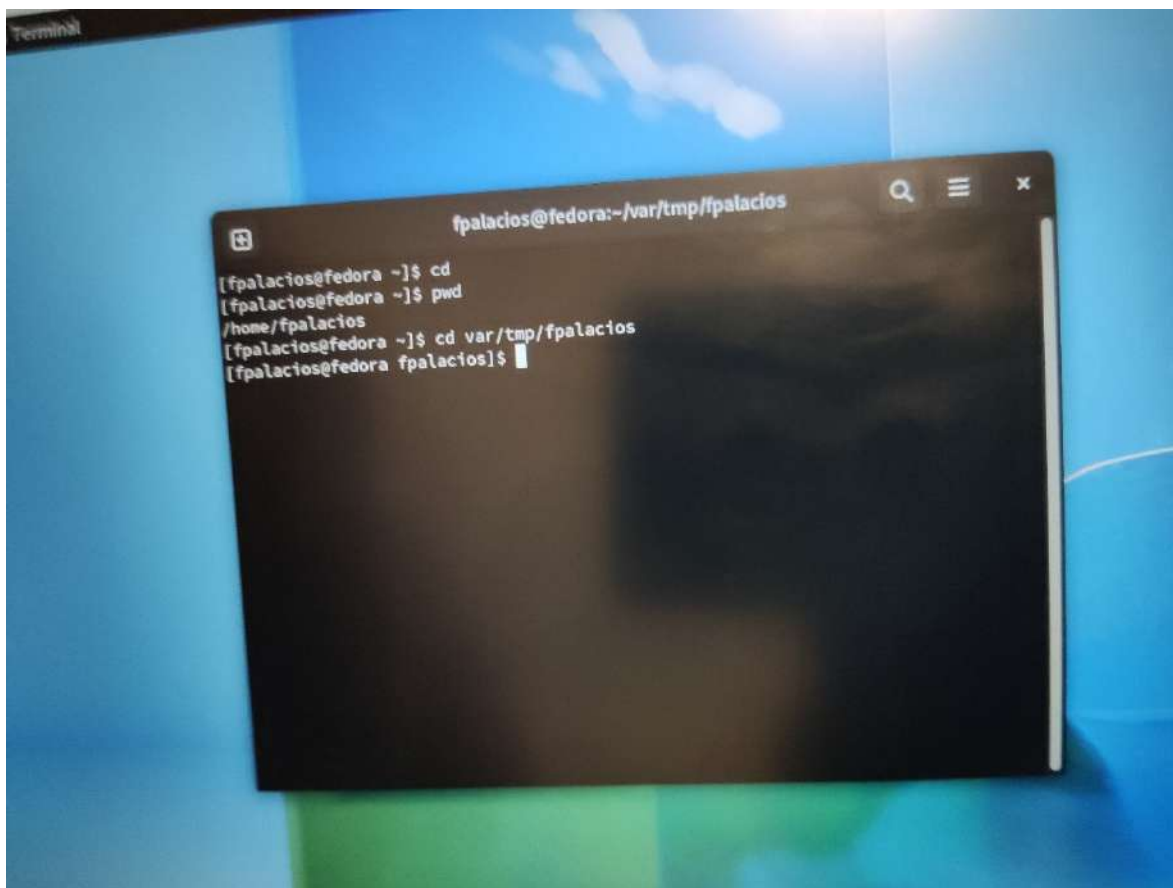
2.1. Перемещение по файловой системе

Открытие Терминала. Переход в домашний каталог `cd` и показ полного пути

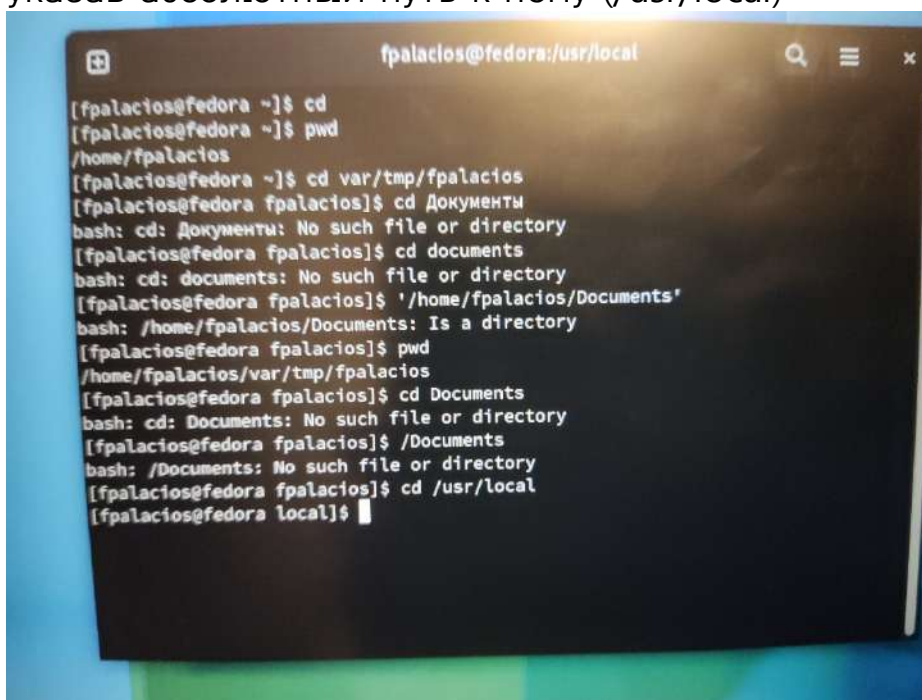
A photograph of a computer monitor displaying a terminal window. The window has a dark background and a title bar at the top that reads 'fpalacios@fedora:~'. On the left side of the title bar is a window control icon (a square with a plus sign), and on the right side are search, menu, and close icons. The terminal shows the following text:

```
[fpalacios@fedora ~]$ cd  
[fpalacios@fedora ~]$ pwd  
/home/fpalacios  
[fpalacios@fedora ~]$
```


The cursor is at the end of the last line. The background of the monitor shows a blue sky with white clouds.



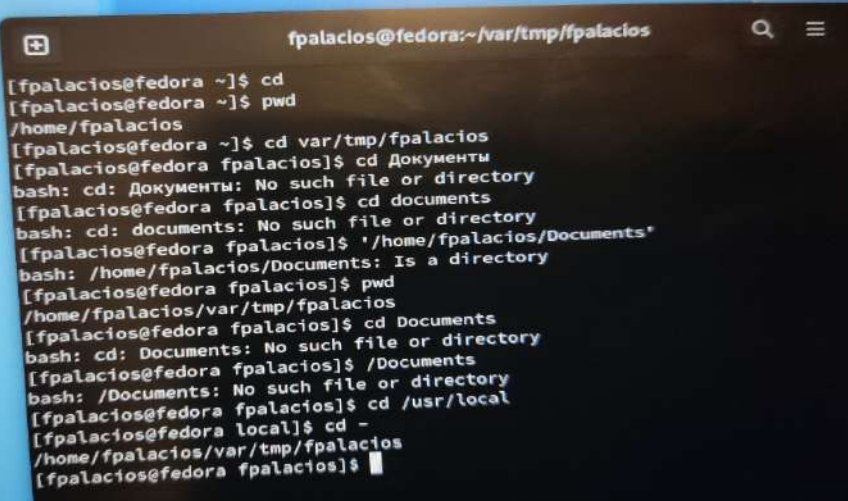
Перешел в каталог local - подкаталог usr корневого каталога, указав абсолютный путь к нему (/usr/local)



Использовал комбинацию 'cd -' для возвращения в последний посещённый пользователем каталог. А 'cd ..' для перехода на один каталог выше по иерархии.

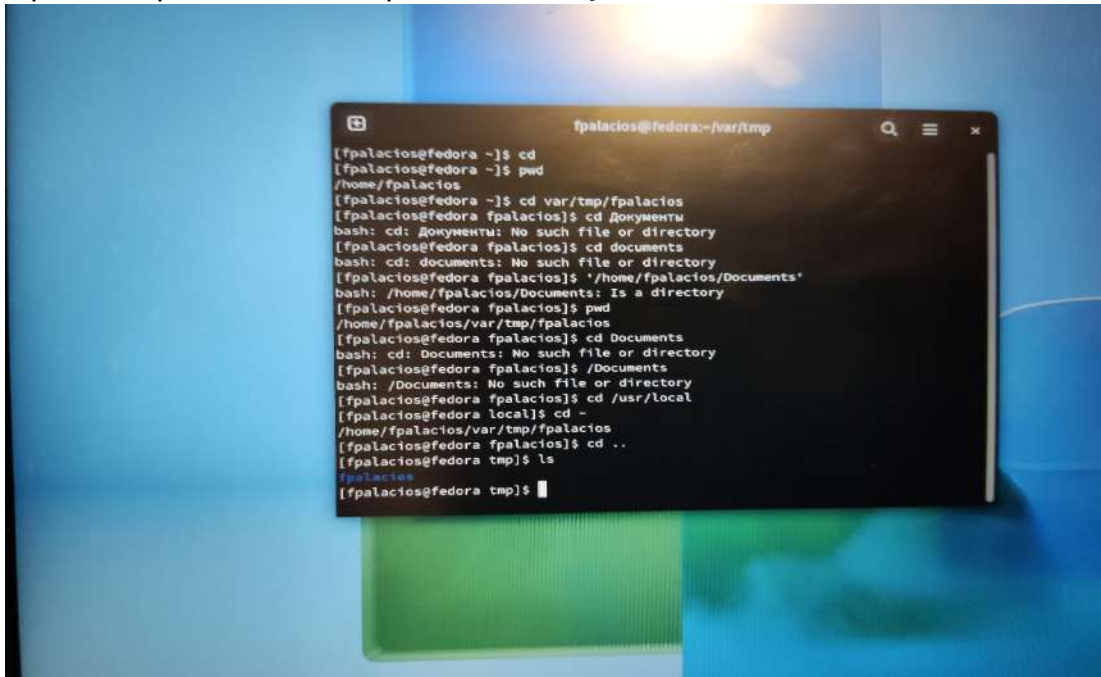


```
fpalacios@fedora:~/var/tmp
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ pwd
/home/fpalacios
[fpalacios@fedora ~]$ cd var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd Документы
bash: cd: Документы: No such file or directory
[fpalacios@fedora fpalacios]$ cd documents
bash: cd: documents: No such file or directory
[fpalacios@fedora fpalacios]$ '/home/fpalacios/Documents'
bash: /home/fpalacios/Documents: Is a directory
[fpalacios@fedora fpalacios]$ pwd
/home/fpalacios/var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd Documents
bash: cd: Documents: No such file or directory
[fpalacios@fedora fpalacios]$ /Documents
bash: /Documents: No such file or directory
[fpalacios@fedora fpalacios]$ cd /usr/local
[fpalacios@fedora local]$ cd -
/home/fpalacios/var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd ..
[fpalacios@fedora tmp]$
```



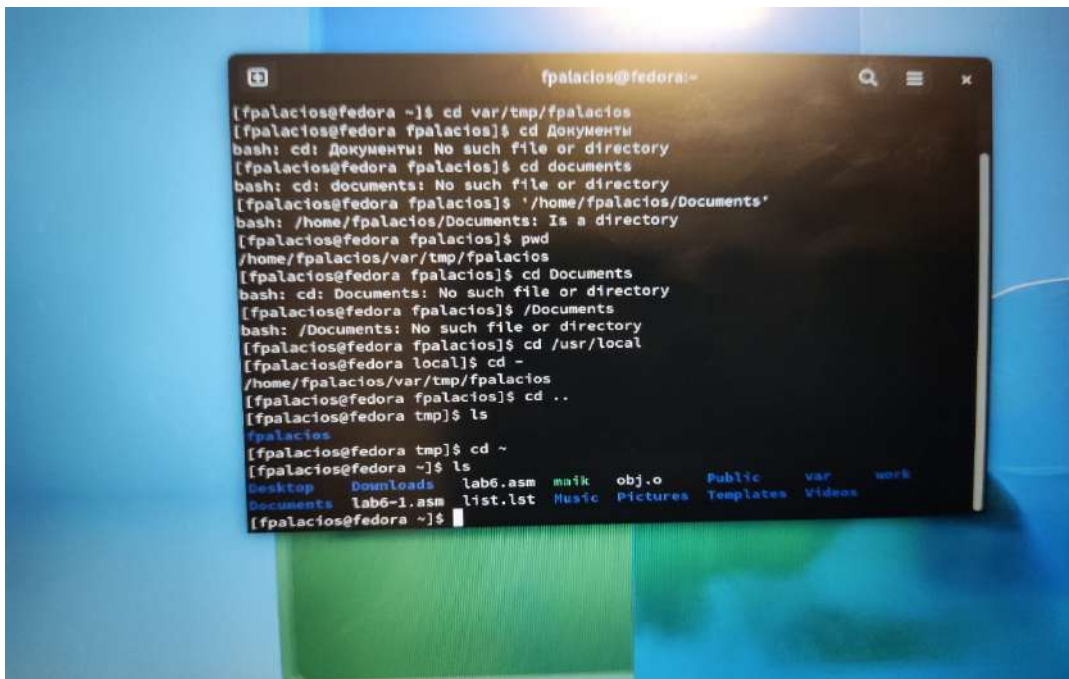
```
fpalacios@fedora:~/var/tmp/fpalacios
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ pwd
/home/fpalacios
[fpalacios@fedora ~]$ cd var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd Документы
bash: cd: Документы: No such file or directory
[fpalacios@fedora fpalacios]$ cd documents
bash: cd: documents: No such file or directory
[fpalacios@fedora fpalacios]$ '/home/fpalacios/Documents'
bash: /home/fpalacios/Documents: Is a directory
[fpalacios@fedora fpalacios]$ pwd
/home/fpalacios/var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd Documents
bash: cd: Documents: No such file or directory
[fpalacios@fedora fpalacios]$ /Documents
bash: /Documents: No such file or directory
[fpalacios@fedora fpalacios]$ cd /usr/local
[fpalacios@fedora local]$ cd -
/home/fpalacios/var/tmp/fpalacios
[fpalacios@fedora fpalacios]$
```

Просмотрел список файлов текущего каталога

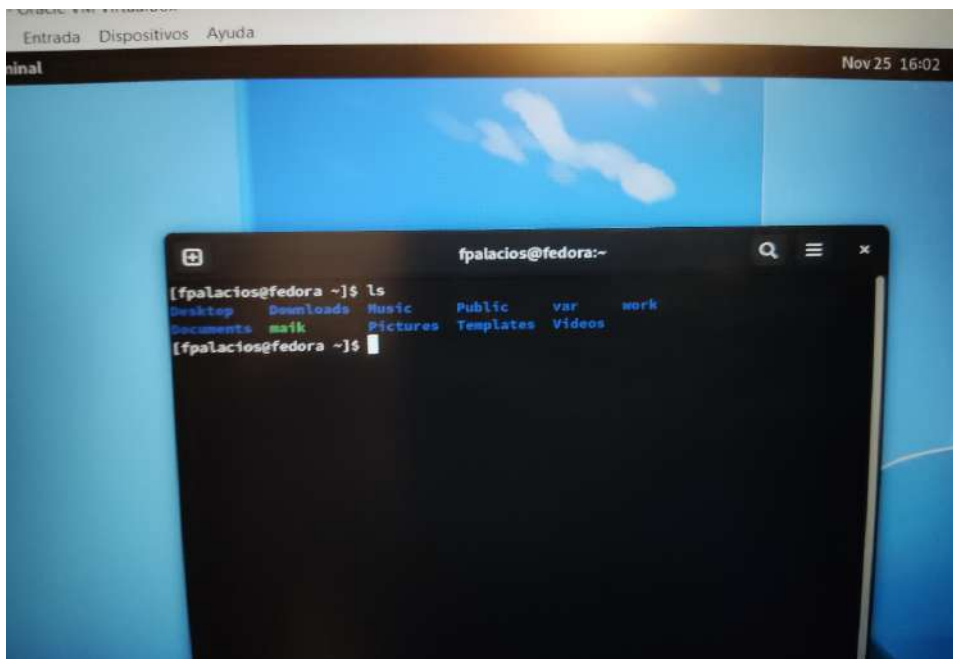


```
fpalacios@fedora:~/var/tmp
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ pwd
/home/fpalacios
[fpalacios@fedora ~]$ cd var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd Документы
bash: cd: Документы: No such file or directory
[fpalacios@fedora fpalacios]$ cd documents
bash: cd: documents: No such file or directory
[fpalacios@fedora fpalacios]$ '/home/fpalacios/Documents'
bash: /home/fpalacios/Documents: Is a directory
[fpalacios@fedora fpalacios]$ pwd
/home/fpalacios/var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd Documents
bash: cd: Documents: No such file or directory
[fpalacios@fedora fpalacios]$ /Documents
bash: /Documents: No such file or directory
[fpalacios@fedora fpalacios]$ cd /usr/local
[fpalacios@fedora local]$ cd -
/home/fpalacios/var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd ..
[fpalacios@fedora tmp]$ ls
fpalacios
[fpalacios@fedora tmp]$
```

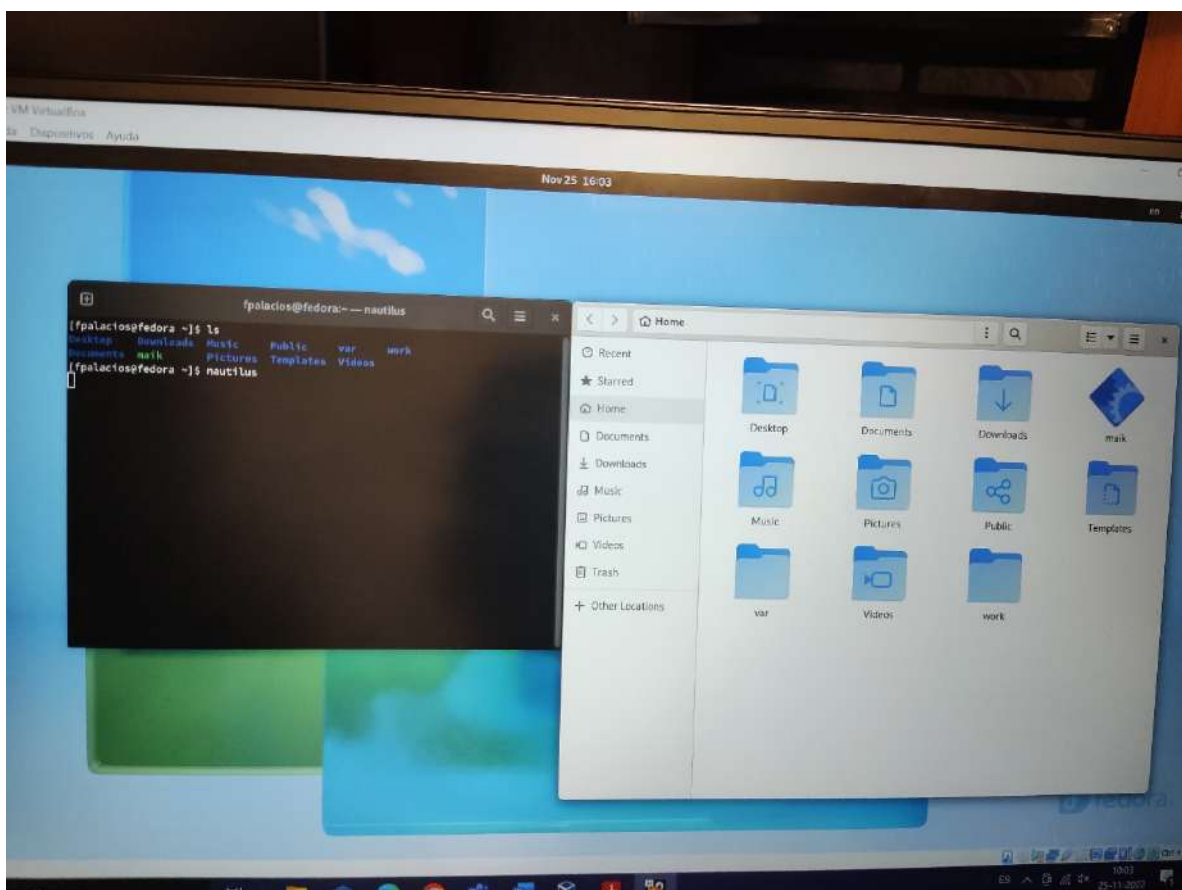
Перешел в домашний каталог и вывел список файлов домашнего каталога.



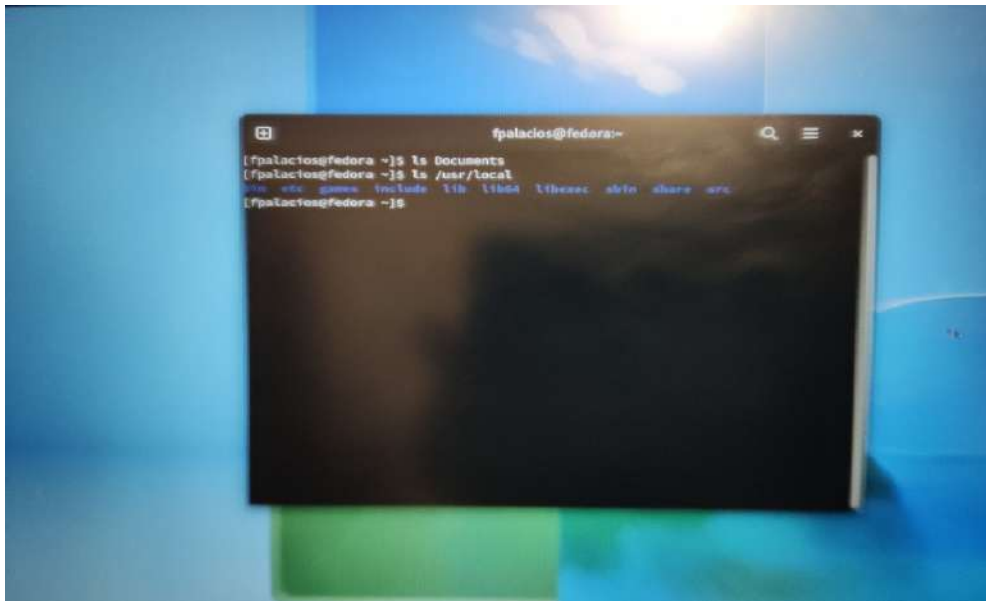
```
fpalacios@fedora:~
[fpalacios@fedora ~]$ cd var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd Документы
bash: cd: Документы: No such file or directory
[fpalacios@fedora fpalacios]$ cd documents
bash: cd: documents: No such file or directory
[fpalacios@fedora fpalacios]$ '/home/fpalacios/Documents'
bash: /home/fpalacios/Documents: Is a directory
[fpalacios@fedora fpalacios]$ pwd
/home/fpalacios/var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd Documents
bash: cd: Documents: No such file or directory
[fpalacios@fedora fpalacios]$ /Documents
bash: /Documents: No such file or directory
[fpalacios@fedora fpalacios]$ cd /usr/local
[fpalacios@fedora local]$ cd -
/home/fpalacios/var/tmp/fpalacios
[fpalacios@fedora fpalacios]$ cd ..
[fpalacios@fedora tmp]$ ls
fpalacios
[fpalacios@fedora tmp]$ cd ~
[fpalacios@fedora ~]$ ls
Desktop  Downloads  lab6.asm  mailk  obj.o  Public  var  work
Documents  lab6-1.asm  list.lst  Music  Pictures  Templates  Videos
[fpalacios@fedora ~]$
```

Открыл домашний каталог. Список файлов полученных с помощью команды ls совпадает с файлами, отображающимися в графическом файловом менеджере.



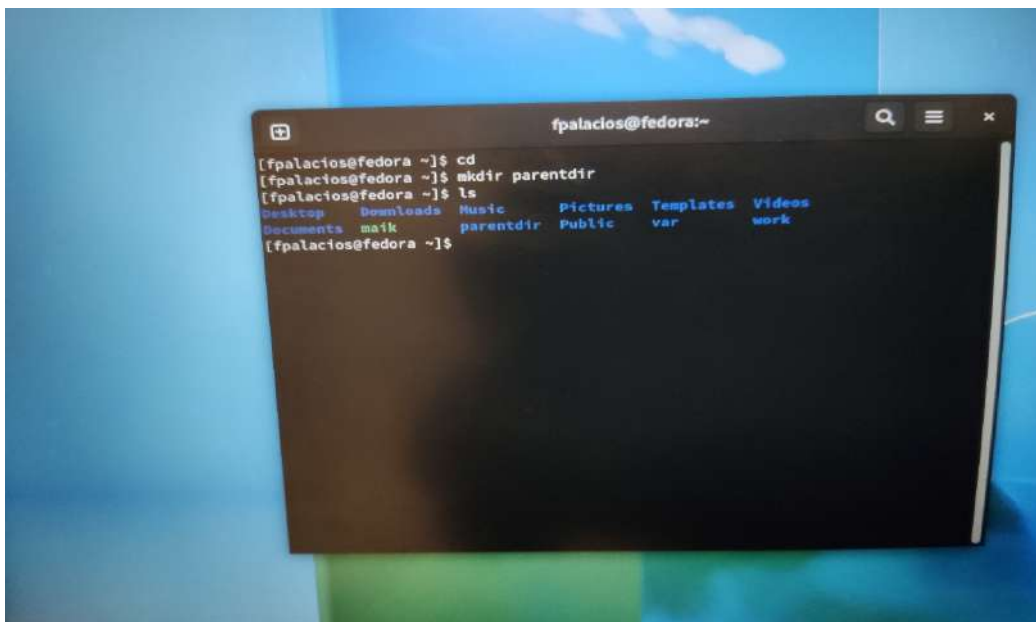
Вывел список файлов каталога `/usr/local` указав абсолютный путь к нему:

A terminal window titled 'fpalacios@fedora:~' with search, menu, and close icons. The command history shows: '[fpalacios@fedora ~]\$ ls Documents', '[fpalacios@fedora ~]\$ ls /usr/local', and '[fpalacios@fedora ~]\$'. The output of the second command is: 'bin etc games include lib lib64 libexec sbin share src'.

```
fpalacios@fedora:~  
[fpalacios@fedora ~]$ ls Documents  
[fpalacios@fedora ~]$ ls /usr/local  
bin  etc  games  include  lib  lib64  libexec  sbin  share  src  
[fpalacios@fedora ~]$
```

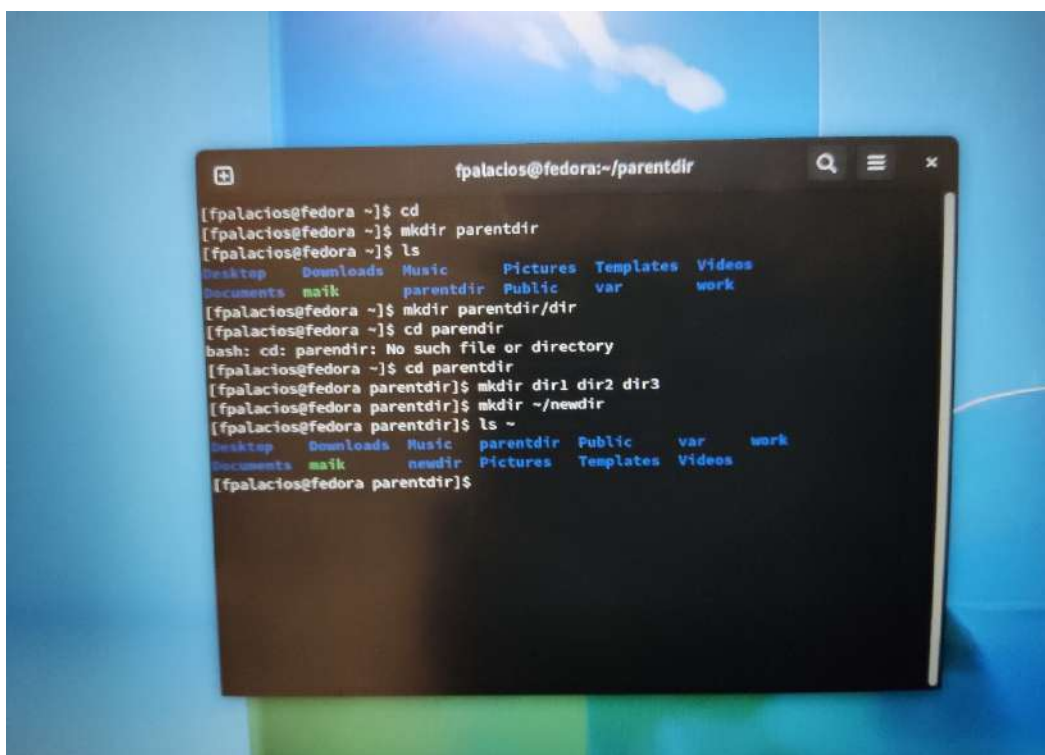
2.2. Создание пустых каталогов и файлов

Создал в домашнем каталоге подкаталог с именем `parentdir` и помощью команды `ls` проверил, что каталог создан.

A terminal window titled 'fpalacios@fedora:~' with search, menu, and close icons. The command history shows: '[fpalacios@fedora ~]\$ cd', '[fpalacios@fedora ~]\$ mkdir parentdir', and '[fpalacios@fedora ~]\$ ls'. The output of the 'ls' command lists the contents of the home directory: Desktop, Downloads, Music, Pictures, Templates, Videos, Documents, mail, parentdir, Public, var, and work.

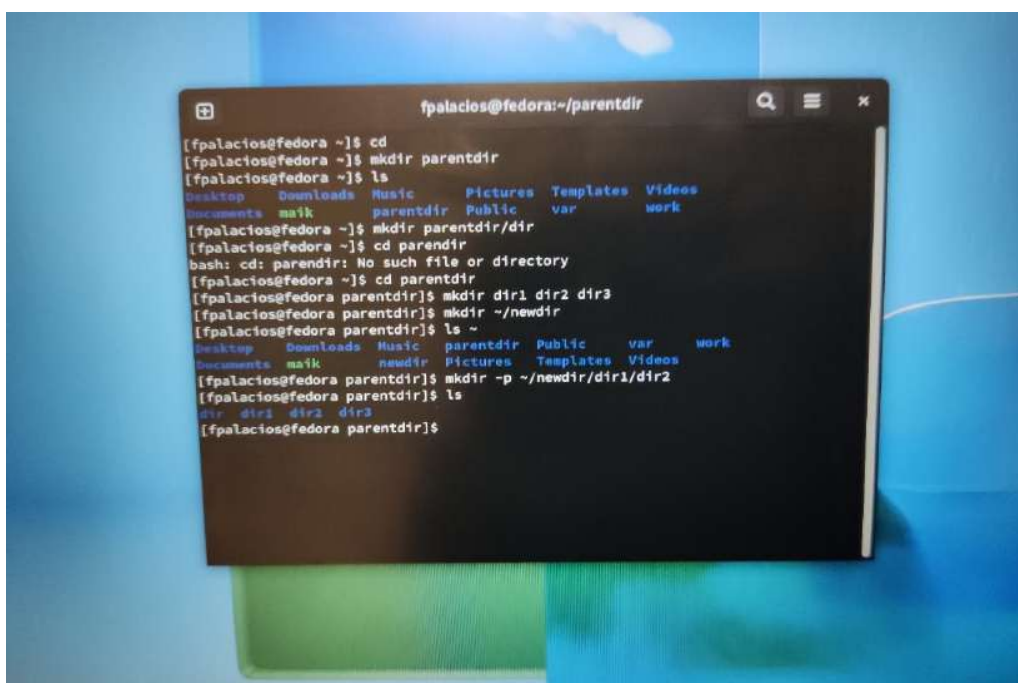
```
fpalacios@fedora:~  
[fpalacios@fedora ~]$ cd  
[fpalacios@fedora ~]$ mkdir parentdir  
[fpalacios@fedora ~]$ ls  
Desktop  Downloads  Music      Pictures  Templates  Videos  
Documents mail      parentdir  Public    var         work  
[fpalacios@fedora ~]$
```


Создал подкаталог в существующем каталоге

A terminal window titled 'fpalacios@fedora:~/parentdir' with search, menu, and close icons. The command history shows: 1. 'cd' (from '~'), 2. 'mkdir parentdir', 3. 'ls' (showing Desktop, Downloads, Music, Pictures, Templates, Videos, Documents, maik, parentdir, Public, var, work), 4. 'mkdir parentdir/dir', 5. 'cd parentdir' (error: 'No such file or directory'), 6. 'cd parentdir' (successful), 7. 'mkdir dir1 dir2 dir3', 8. 'mkdir ~/newdir', 9. 'ls ~' (showing Desktop, Downloads, Music, parentdir, Public, var, work, Documents, maik, newdir, Pictures, Templates, Videos).

```
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ mkdir parentdir
[fpalacios@fedora ~]$ ls
Desktop  Downloads  Music      Pictures  Templates  Videos
Documents maik        parentdir  Public    var         work
[fpalacios@fedora ~]$ mkdir parentdir/dir
[fpalacios@fedora ~]$ cd parentdir
bash: cd: parentdir: No such file or directory
[fpalacios@fedora ~]$ cd parentdir
[fpalacios@fedora parentdir]$ mkdir dir1 dir2 dir3
[fpalacios@fedora parentdir]$ mkdir ~/newdir
[fpalacios@fedora parentdir]$ ls ~
Desktop  Downloads  Music      parentdir  Public    var         work
Documents maik        newdir     Pictures   Templates Videos
```

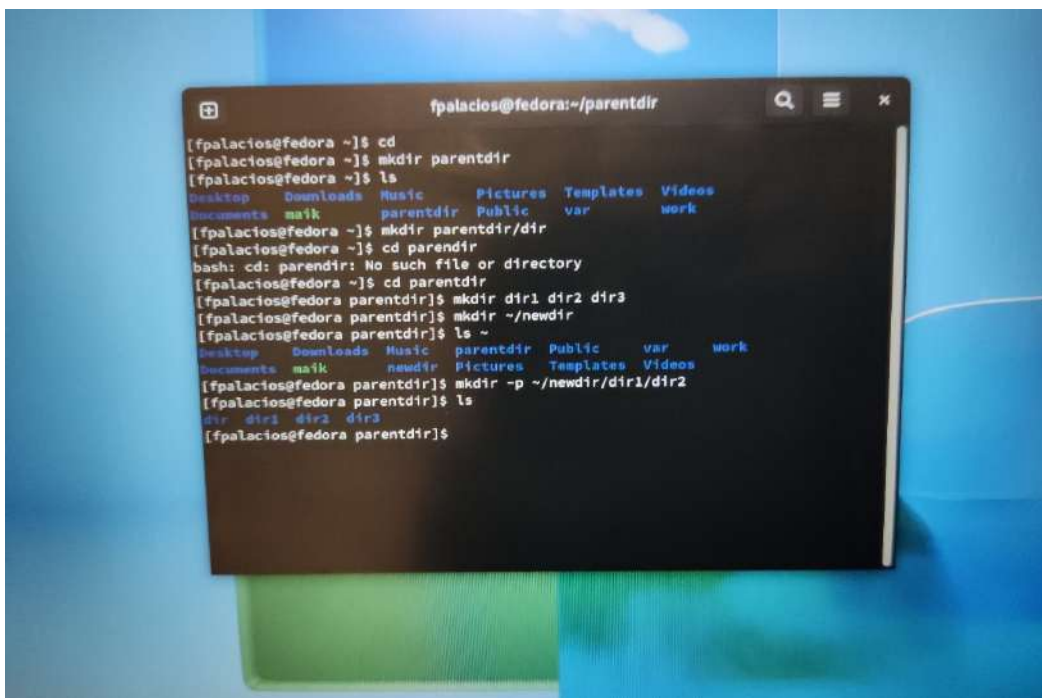
Создал каталог newdir в домашнем каталоге (~). Т.к. создал подкаталог в каталоге, отличном от текущего, то путь к нему требуется указать в явном виде:
user@dk4n31:~\$ mkdir ~/newdir

A terminal window titled 'fpalacios@fedora:~/parentdir' with search, menu, and close icons. The command history continues from the previous image: 10. 'ls ~' (showing Desktop, Downloads, Music, parentdir, Public, var, work, Documents, maik, newdir, Pictures, Templates, Videos), 11. 'mkdir -p ~/newdir/dir1/dir2', 12. 'ls' (showing dir1, dir2, dir3).

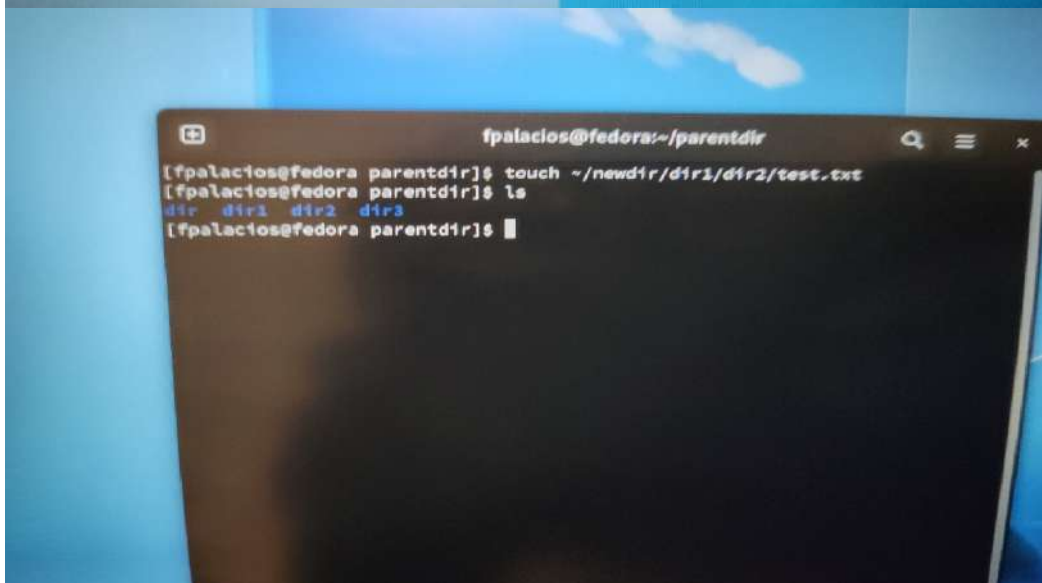
```
[fpalacios@fedora parentdir]$ ls ~
Desktop  Downloads  Music      parentdir  Public    var         work
Documents maik        newdir     Pictures   Templates Videos
[fpalacios@fedora parentdir]$ mkdir -p ~/newdir/dir1/dir2
[fpalacios@fedora parentdir]$ ls
dir1  dir2  dir3
[fpalacios@fedora parentdir]$
```

Создал последовательность вложенных каталогов newdir/dir1/dir2 в домашнем каталоге

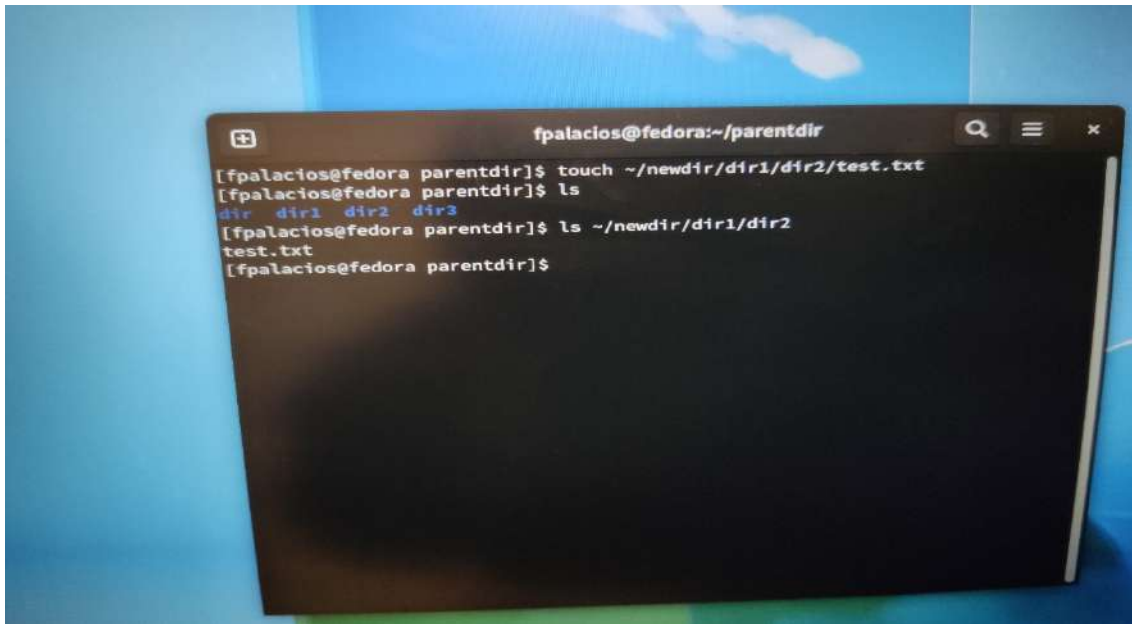
- создал файл. .txt
- проверил наличие с помощью Ls



```
fpalacios@fedora:~/parentdir
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ mkdir parentdir
[fpalacios@fedora ~]$ ls
Desktop  Downloads  Music      Pictures  Templates Videos
Documents mail      parentdir  Public    var        work
[fpalacios@fedora ~]$ mkdir parentdir/dir
[fpalacios@fedora ~]$ cd parentdir
bash: cd: parentdir: No such file or directory
[fpalacios@fedora ~]$ cd parentdir
[fpalacios@fedora parentdir]$ mkdir dir1 dir2 dir3
[fpalacios@fedora parentdir]$ mkdir ~/newdir
[fpalacios@fedora parentdir]$ ls ~
Desktop  Downloads  Music      parentdir  Public    var        work
Documents mail      newdir     Pictures   Templates Videos
[fpalacios@fedora parentdir]$ mkdir -p ~/newdir/dir1/dir2
[fpalacios@fedora parentdir]$ ls
dir  dir1  dir2  dir3
[fpalacios@fedora parentdir]$
```



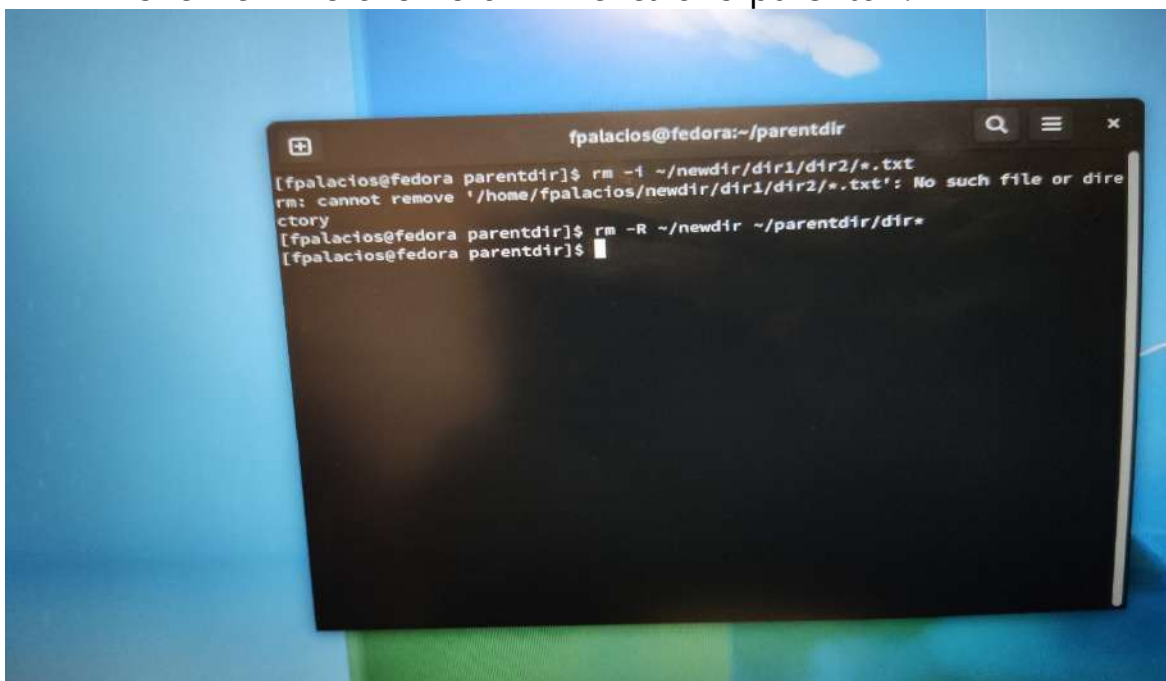
```
fpalacios@fedora:~/parentdir
[fpalacios@fedora parentdir]$ touch ~/newdir/dir1/dir2/test.txt
[fpalacios@fedora parentdir]$ ls
dir  dir1  dir2  dir3
[fpalacios@fedora parentdir]$
```

A terminal window titled 'fpalacios@fedora:~/parentdir' with search, menu, and close icons. It shows a sequence of commands: 'touch ~/newdir/dir1/dir2/test.txt', 'ls', 'ls -l', and 'ls ~/newdir/dir1/dir2'. The output of 'ls' shows 'dir dir1 dir2 dir3'. The output of 'ls -l' shows 'test.txt'. The prompt returns to the user.

```
fpalacios@fedora:~/parentdir
[fpalacios@fedora parentdir]$ touch ~/newdir/dir1/dir2/test.txt
[fpalacios@fedora parentdir]$ ls
dir dir1 dir2 dir3
[fpalacios@fedora parentdir]$ ls -l
test.txt
[fpalacios@fedora parentdir]$
```

2.3. Перемещение и удаление файлов или каталогов

- Удалил в подкаталоге /newdir/dir1/dir2/ все файлы с именами, заканчивающимися на .txt, запросив подтверждение на удаление каждого файла в текущем каталоге
- Рекурсивно удалил из текущего каталога без запроса подтверждения на удаление каталог newdir, а также файлы, чьи имена начинаются с dir в каталоге parentdir:

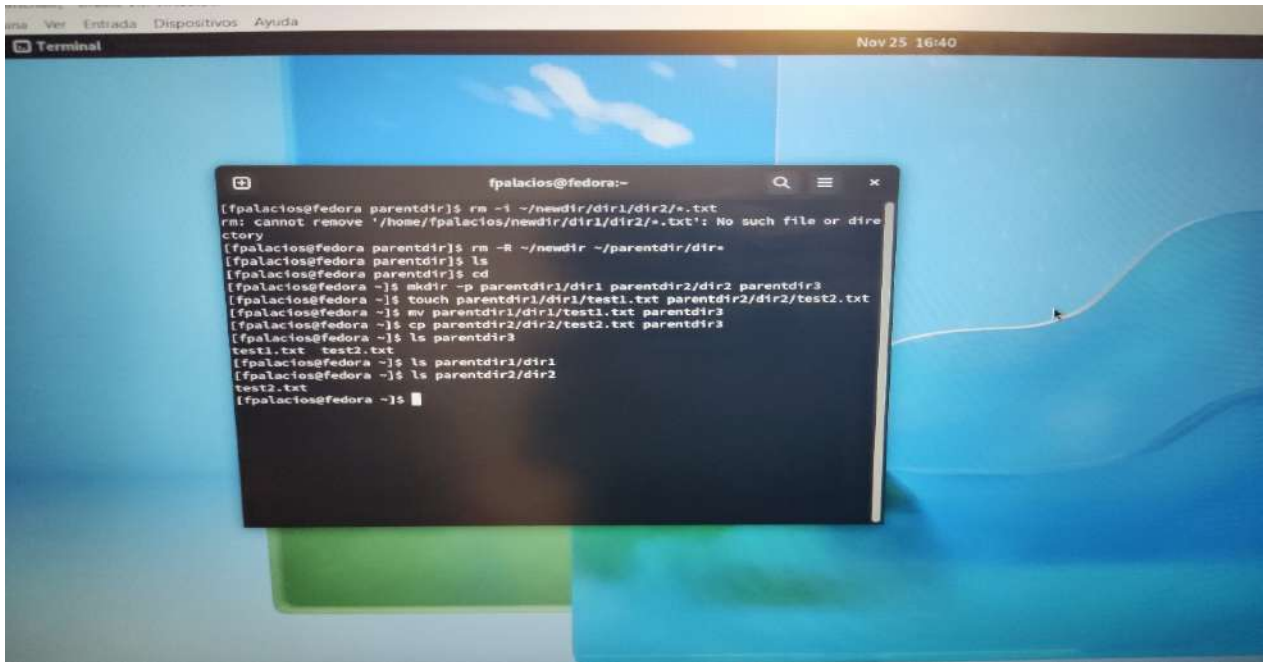
A terminal window titled 'fpalacios@fedora:~/parentdir' with search, menu, and close icons. It shows two commands: 'rm -i ~/newdir/dir1/dir2/*.txt' which results in an error message 'rm: cannot remove '/home/fpalacios/newdir/dir1/dir2/*.txt': No such file or directory', and 'rm -R ~/newdir ~/parentdir/dir*'. The prompt returns to the user.

```
fpalacios@fedora:~/parentdir
[fpalacios@fedora parentdir]$ rm -i ~/newdir/dir1/dir2/*.txt
rm: cannot remove '/home/fpalacios/newdir/dir1/dir2/*.txt': No such file or directory
[fpalacios@fedora parentdir]$ rm -R ~/newdir ~/parentdir/dir*
[fpalacios@fedora parentdir]$
```

Перемещение и копирование

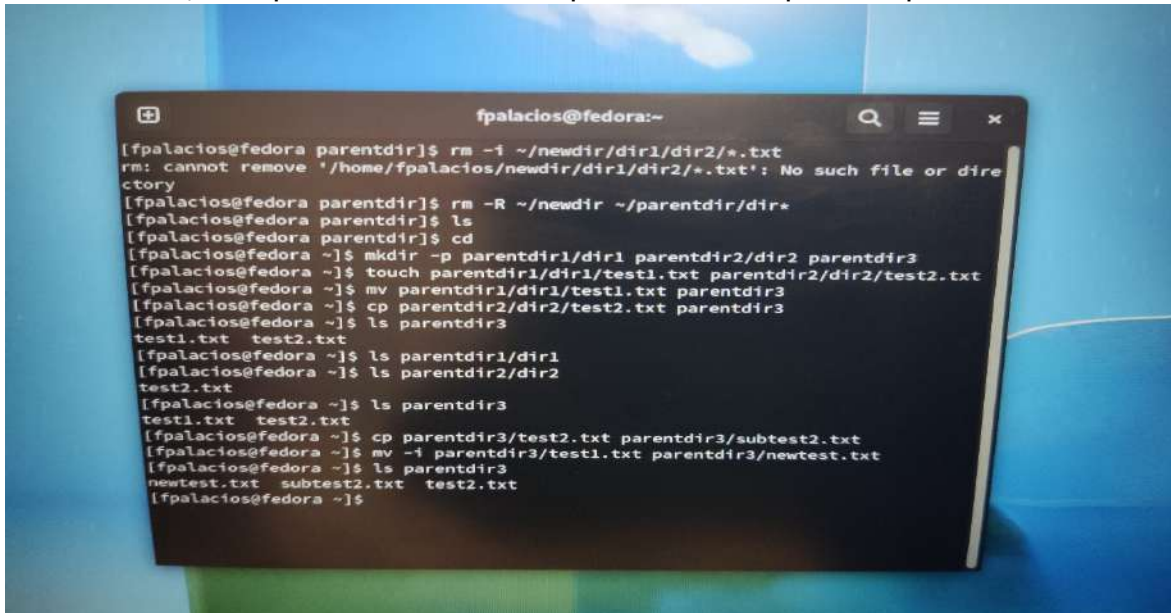
Создал следующие файлы и каталоги в домашнем каталоге. Используя команды `cp` и `mv` файл `test1.txt` скопировал, а `test2.txt` переместил в каталог `parentdir3`

С помощью команды `ls` проверил корректность выполненных команд

A terminal window titled 'fpalacios@fedora:~' with a search icon and window controls. It shows a series of commands and their outputs. The user attempts to remove a file that doesn't exist, then recursively removes a directory. They create three directories: 'parentdir1/dir1', 'parentdir2/dir2', and 'parentdir3'. Then they create 'test1.txt' in 'parentdir1/dir1' and 'test2.txt' in 'parentdir2/dir2'. Finally, they copy 'test1.txt' to 'parentdir3' and list the contents of 'parentdir3' and 'parentdir2/dir2'.

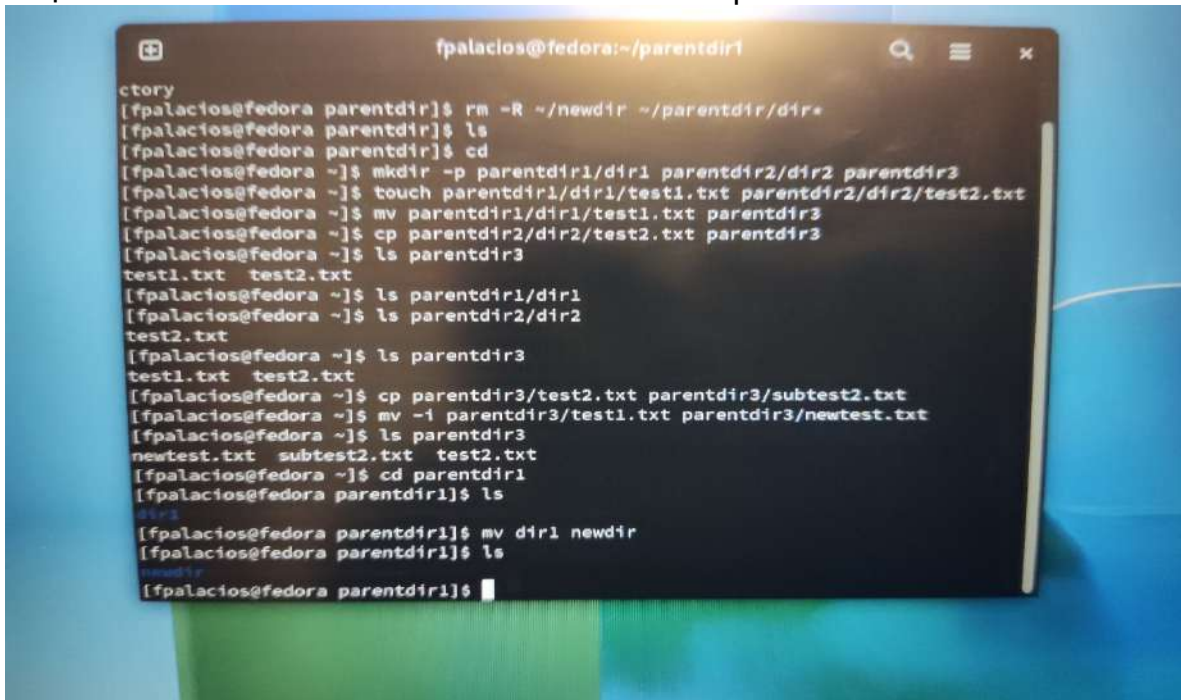
```
fpalacios@fedora:~  
[fpalacios@fedora parentdir]$ rm -i ~/newdir/dir1/dir2/*.txt  
rm: cannot remove '/home/fpalacios/newdir/dir1/dir2/*.txt': No such file or directory  
[fpalacios@fedora parentdir]$ rm -R ~/newdir ~/parentdir/dir*  
[fpalacios@fedora parentdir]$ ls  
[fpalacios@fedora parentdir]$ cd  
[fpalacios@fedora ~]$ mkdir -p parentdir1/dir1 parentdir2/dir2 parentdir3  
[fpalacios@fedora ~]$ touch parentdir1/dir1/test1.txt parentdir2/dir2/test2.txt  
[fpalacios@fedora ~]$ mv parentdir1/dir1/test1.txt parentdir3  
[fpalacios@fedora ~]$ cp parentdir2/dir2/test2.txt parentdir3  
[fpalacios@fedora ~]$ ls parentdir3  
test1.txt test2.txt  
[fpalacios@fedora ~]$ ls parentdir1/dir1  
[fpalacios@fedora ~]$ ls parentdir2/dir2  
test2.txt  
[fpalacios@fedora ~]$
```

Переименовал файл `test1.txt` из каталога `parentdir3` в `newtest.txt`, запрашивая подтверждение перед перезаписью

A terminal window titled 'fpalacios@fedora:~' showing the continuation of the previous commands. The user copies 'test2.txt' from 'parentdir2/dir2' to 'parentdir3/subtest2.txt'. Then they use the `mv` command with the `-i` flag to rename 'test1.txt' to 'newtest.txt' in 'parentdir3', which prompts for confirmation. Finally, they list the contents of 'parentdir3' to show the new files.

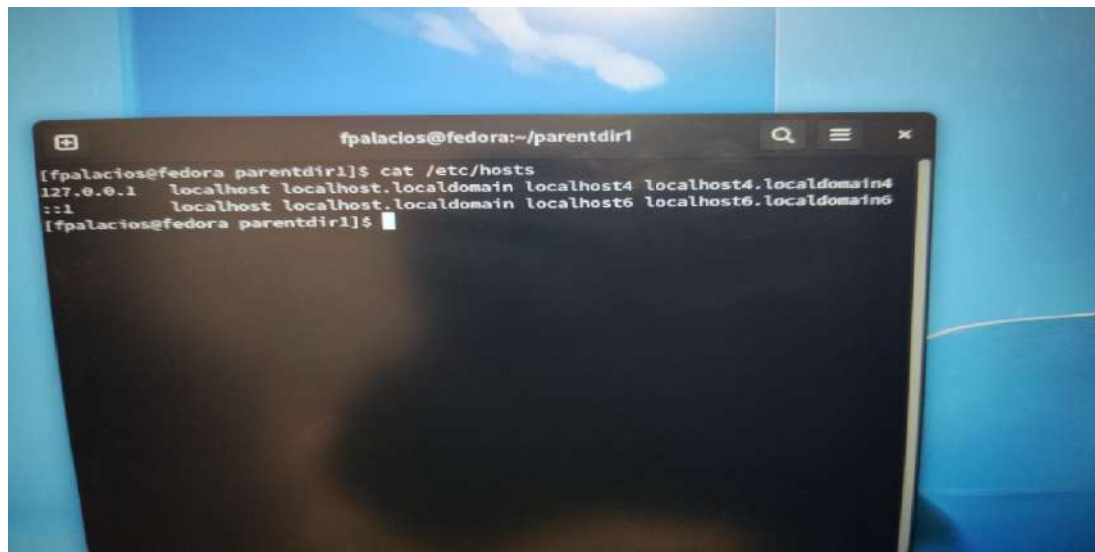
```
[fpalacios@fedora parentdir]$ rm -i ~/newdir/dir1/dir2/*.txt  
rm: cannot remove '/home/fpalacios/newdir/dir1/dir2/*.txt': No such file or directory  
[fpalacios@fedora parentdir]$ rm -R ~/newdir ~/parentdir/dir*  
[fpalacios@fedora parentdir]$ ls  
[fpalacios@fedora parentdir]$ cd  
[fpalacios@fedora ~]$ mkdir -p parentdir1/dir1 parentdir2/dir2 parentdir3  
[fpalacios@fedora ~]$ touch parentdir1/dir1/test1.txt parentdir2/dir2/test2.txt  
[fpalacios@fedora ~]$ mv parentdir1/dir1/test1.txt parentdir3  
[fpalacios@fedora ~]$ cp parentdir2/dir2/test2.txt parentdir3  
[fpalacios@fedora ~]$ ls parentdir3  
test1.txt test2.txt  
[fpalacios@fedora ~]$ ls parentdir1/dir1  
[fpalacios@fedora ~]$ ls parentdir2/dir2  
test2.txt  
[fpalacios@fedora ~]$ ls parentdir3  
test1.txt test2.txt  
[fpalacios@fedora ~]$ cp parentdir3/test2.txt parentdir3/subtest2.txt  
[fpalacios@fedora ~]$ mv -i parentdir3/test1.txt parentdir3/newtest.txt  
[fpalacios@fedora ~]$ ls parentdir3  
newtest.txt subtest2.txt test2.txt  
[fpalacios@fedora ~]$
```


Переименовал каталог dir1 в каталоге parentdir1 в newdir

A terminal window titled 'fpalacios@fedora:~/parentdir1' showing a series of commands and their outputs. The user is working with a directory structure involving 'parentdir1', 'parentdir2', 'parentdir3', and 'newdir'. The commands include removing a directory, listing contents, creating directories, touching files, moving files, copying files, and finally renaming 'dir1' to 'newdir'.

```
ctory
[fpalacios@fedora parentdir]$ rm -R ~/newdir ~/parentdir/dir*
[fpalacios@fedora parentdir]$ ls
[fpalacios@fedora parentdir]$ cd
[fpalacios@fedora ~]$ mkdir -p parentdir1/dir1 parentdir2/dir2 parentdir3
[fpalacios@fedora ~]$ touch parentdir1/dir1/test1.txt parentdir2/dir2/test2.txt
[fpalacios@fedora ~]$ mv parentdir1/dir1/test1.txt parentdir3
[fpalacios@fedora ~]$ cp parentdir2/dir2/test2.txt parentdir3
[fpalacios@fedora ~]$ ls parentdir3
test1.txt test2.txt
[fpalacios@fedora ~]$ ls parentdir1/dir1
[fpalacios@fedora ~]$ ls parentdir2/dir2
test2.txt
[fpalacios@fedora ~]$ ls parentdir3
test1.txt test2.txt
[fpalacios@fedora ~]$ cp parentdir3/test2.txt parentdir3/subtest2.txt
[fpalacios@fedora ~]$ mv -i parentdir3/test1.txt parentdir3/newtest.txt
[fpalacios@fedora ~]$ ls parentdir3
newtest.txt subtest2.txt test2.txt
[fpalacios@fedora ~]$ cd parentdir1
[fpalacios@fedora parentdir1]$ ls
dir1
[fpalacios@fedora parentdir1]$ mv dir1 newdir
[fpalacios@fedora parentdir1]$ ls
newdir
[fpalacios@fedora parentdir1]$
```

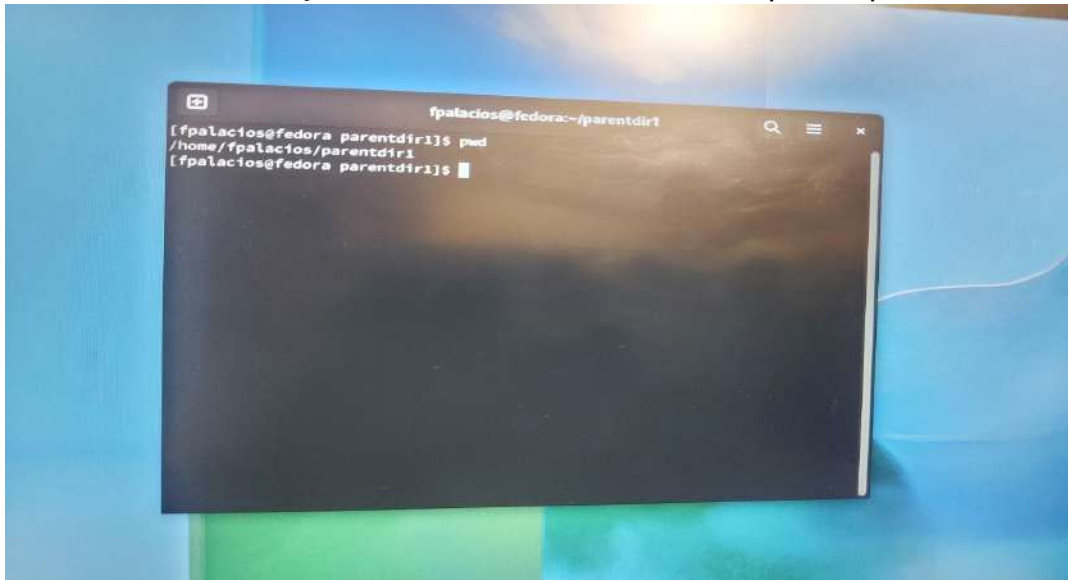
2.4. Команда cat: вывод содержимого файлов

A terminal window titled 'fpalacios@fedora:~/parentdir1' showing the command 'cat /etc/hosts' being executed. The output displays the contents of the /etc/hosts file, which maps IP addresses to hostnames.

```
[fpalacios@fedora parentdir1]$ cat /etc/hosts
127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4
::1 localhost localhost.localdomain localhost6 localhost6.localdomain6
[fpalacios@fedora parentdir1]$
```

3. Задание для самостоятельной работы

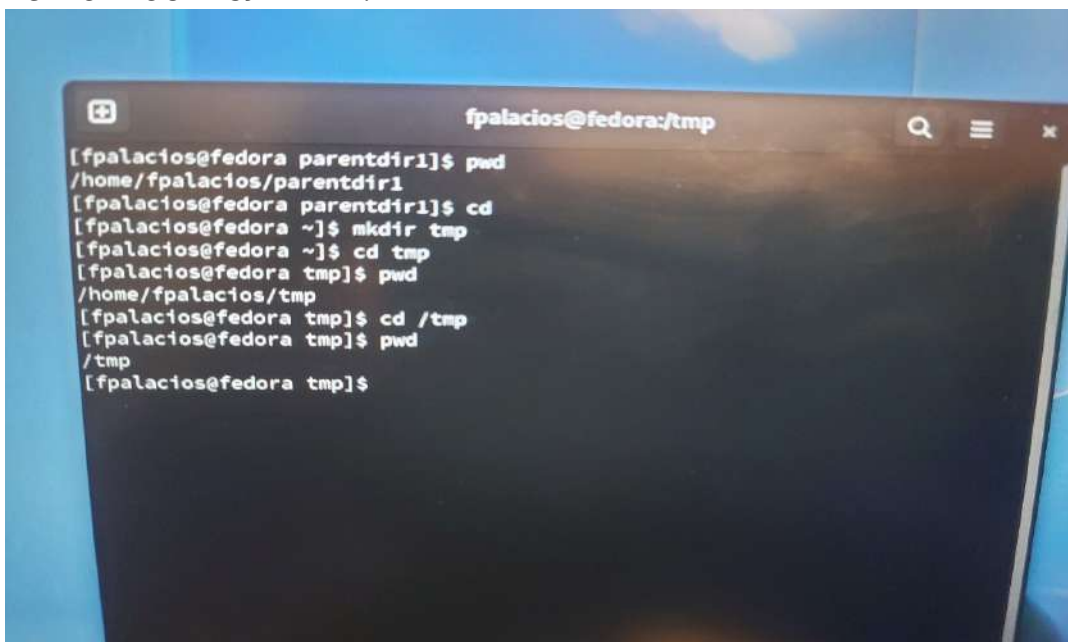
Узнал полный путь к своей домашней директории



`pwd` **P**rint **W**orking **D**irectory определение текущего каталога

Обратиться к файлу в каталоге можно указав полный (абсолютный) путь или относительный

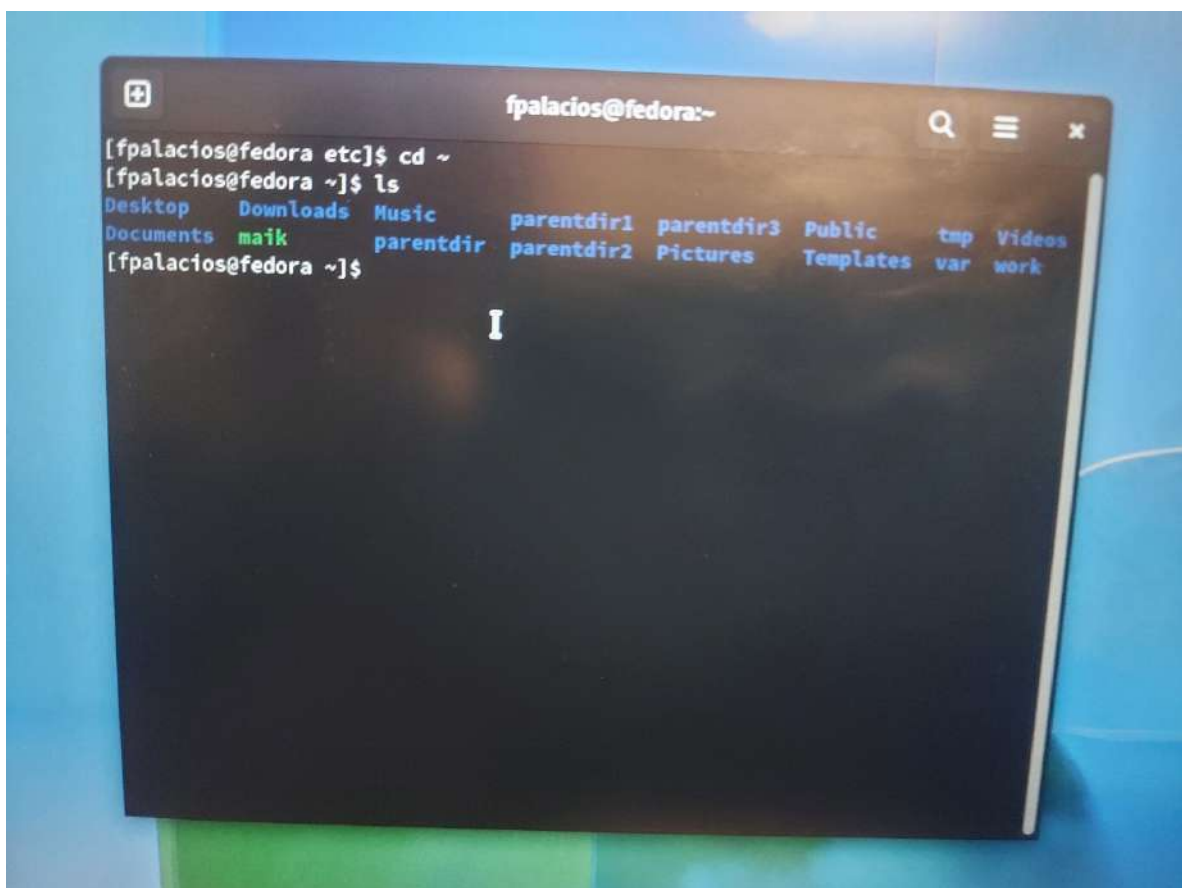
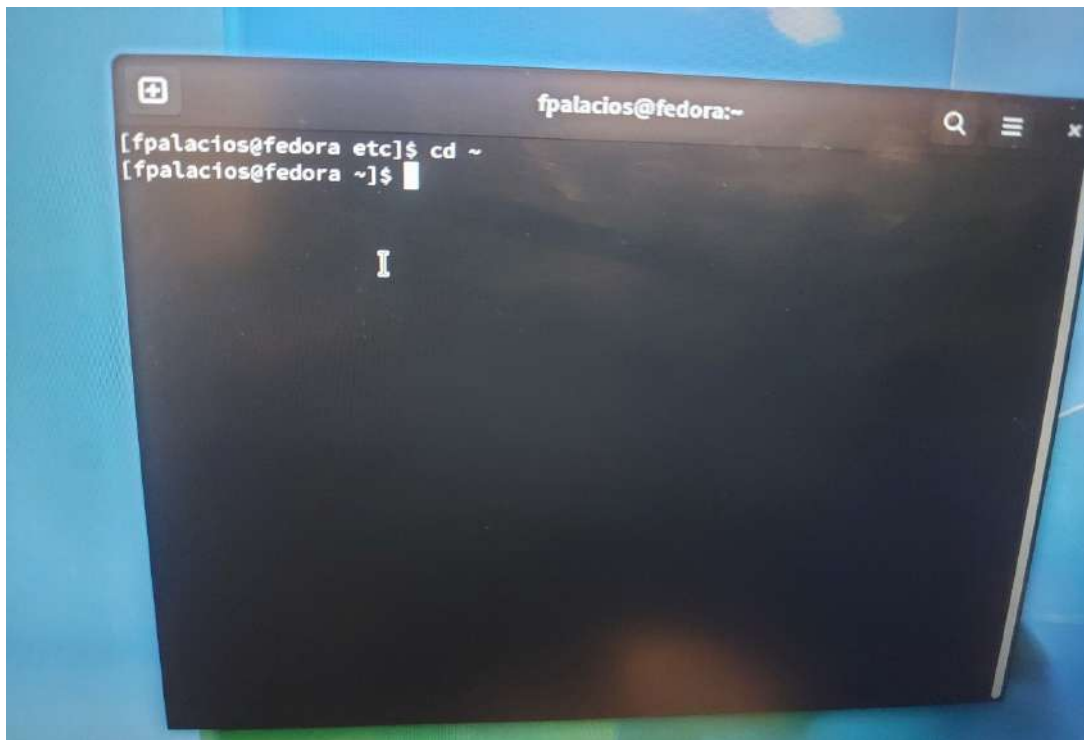
В Linux если имя объекта начинается с /, то системой это интерпретируется как полный путь, в любом другом случае – как относительный.



Посмотрел содержимое каталогов

```
[fpalacios@fedora parentdir1]$ pwd
/home/fpalacios/parentdir1
[fpalacios@fedora parentdir1]$ cd
[fpalacios@fedora ~]$ mkdir tmp
[fpalacios@fedora ~]$ cd tmp
[fpalacios@fedora tmp]$ pwd
/home/fpalacios/tmp
[fpalacios@fedora tmp]$ cd /tmp
[fpalacios@fedora tmp]$ pwd
/tmp
[fpalacios@fedora tmp]$ cd /usr/local
[fpalacios@fedora local]$ ls
bin  etc  games  include  lib  lib64  libexec  sbin  share  src
[fpalacios@fedora local]$
```

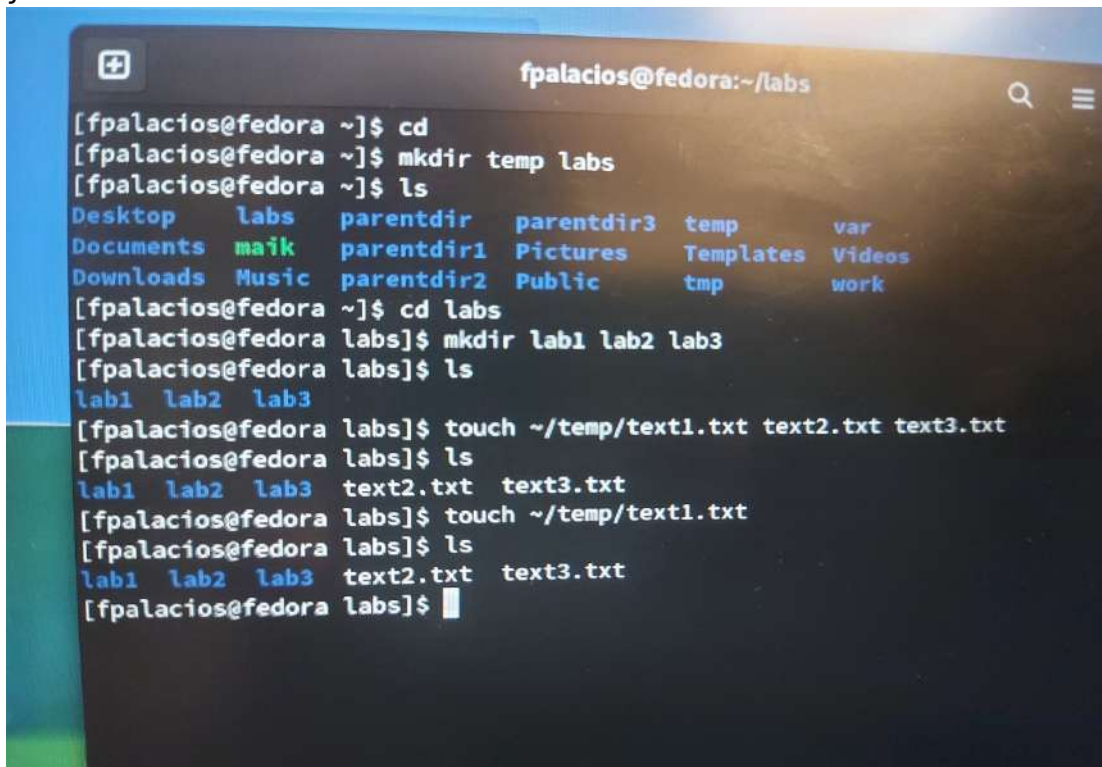
```
fpalacios@fedora:/etc
[fpalacios@fedora local]$ cd /etc
[fpalacios@fedora etc]$ ls
abrt                               hp                               ppp
adjtime                          httpd                           printcap
aliases                          idmapd.conf                    profile
alsa                             init.d                         profile.d
alternatives                     inittab                        protocols
anaconda                        inputrc                        pulse
anthy-unicode.conf              iproute2                       qemu
appstream.conf                  fscsi                          qemu-ga
asound.conf                     issue                           rc0.d
audit                           issue.d                        rc1.d
authselect                      issue.net                      rc2.d
avahi                           java                           rc3.d
bash_completion.d              jvm                            rc4.d
bashrc                          jvm-common                     rc5.d
bindresvport.blacklist          jwhois.conf                   rc6.d
binfmt.d                        kdump                          rc.d
bluetooth                      kdump.conf                    reader.conf.d
brlapi.key                      kernel                         redhat-release
brltty                          krb5.conf                     request-key.conf
brltty.conf                     krb5.conf.d                   request-key.d
ceph                             ld.so.cache                   resolv.conf
chkconfig.d                    ld.so.conf                    rpc
chromium                       ld.so.conf.d                  rpm
chrony.conf                     libaudit.conf                 rsyncd.conf
```



Создал каталог temp и каталог labs с подкаталогами lab1, lab2 и lab3 одной командой.

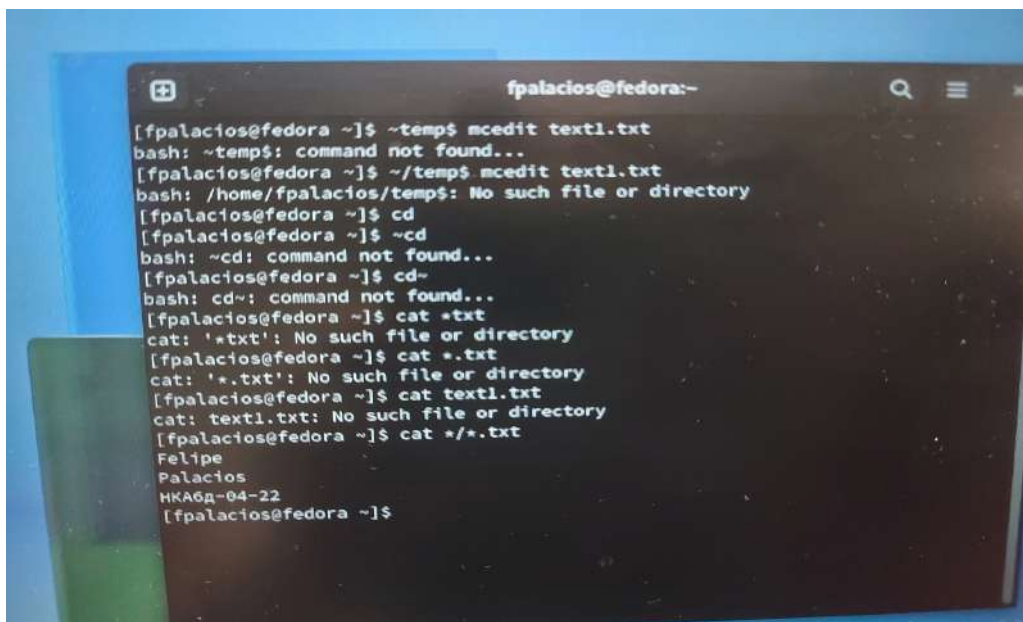
В каталоге temp создал файлы text1.txt, text2.txt, text3.txt.

Пользуясь командой ls, убедился, что все действия выполнены успешно

A terminal window titled 'fpalacios@fedora:~/labs' showing a series of commands and their outputs. The user navigates to the home directory, creates 'temp' and 'labs' directories, lists the contents of the home directory, navigates into 'labs', creates subdirectories 'lab1', 'lab2', and 'lab3', lists them, and finally creates three text files in the 'temp' directory. The terminal output is as follows:

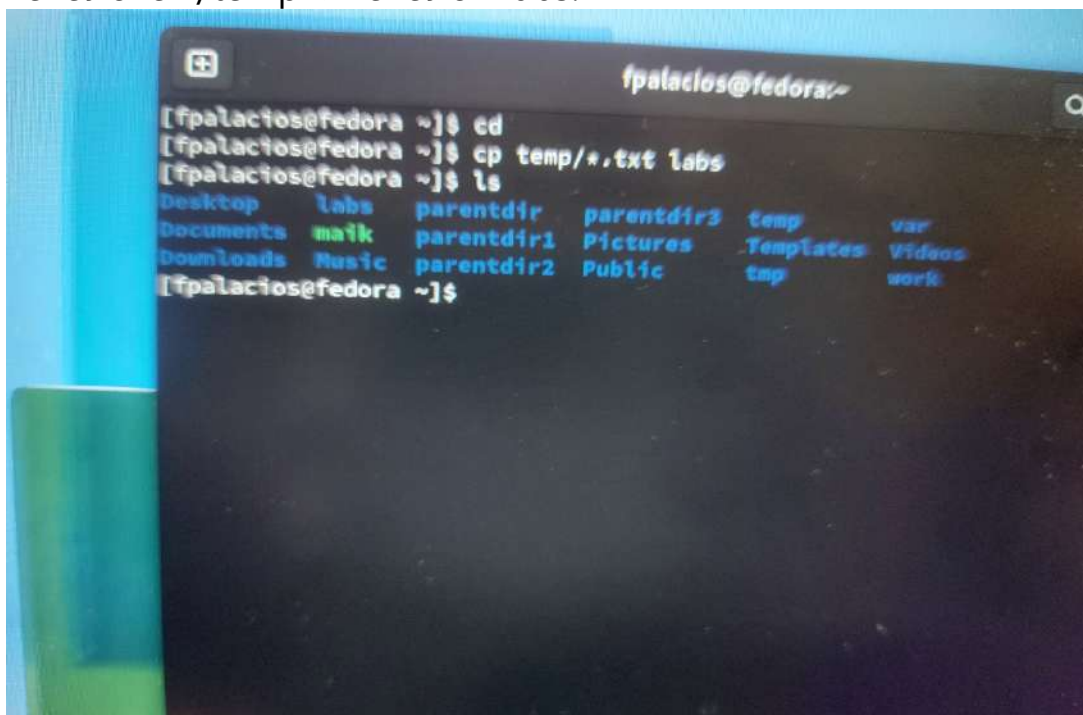
```
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ mkdir temp labs
[fpalacios@fedora ~]$ ls
Desktop    labs    parentdir  parentdir3  temp        var
Documents  maik    parentdir1 Pictures     Templates   Videos
Downloads  Music   parentdir2 Public        tmp          work
[fpalacios@fedora ~]$ cd labs
[fpalacios@fedora labs]$ mkdir lab1 lab2 lab3
[fpalacios@fedora labs]$ ls
lab1  lab2  lab3
[fpalacios@fedora labs]$ touch ~/temp/text1.txt text2.txt text3.txt
[fpalacios@fedora labs]$ ls
lab1  lab2  lab3  text2.txt  text3.txt
[fpalacios@fedora labs]$ touch ~/temp/text1.txt
[fpalacios@fedora labs]$ ls
lab1  lab2  lab3  text2.txt  text3.txt
[fpalacios@fedora labs]$
```

В файлы добавил текст и вывел на экран с помощью команды cat

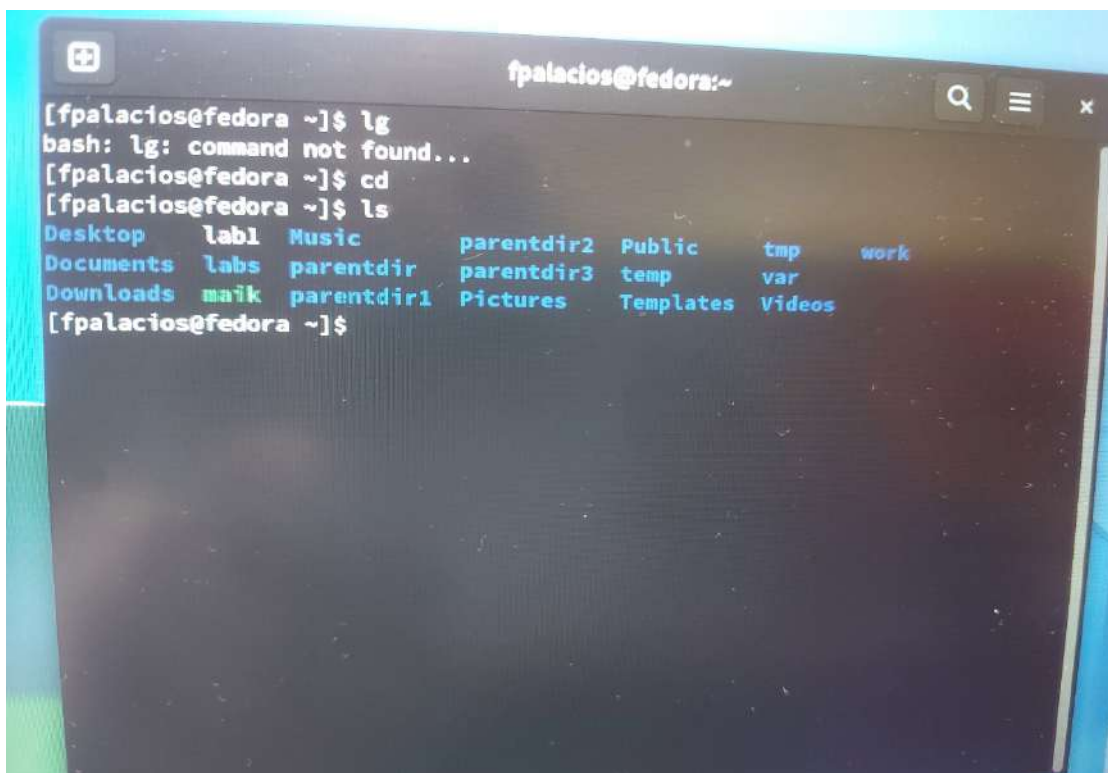
A terminal window titled 'fpalacios@fedora:~' showing several failed attempts to edit or view files in the 'temp' directory using 'mcedit' and 'cat'. The user then successfully uses 'cat' to display the contents of 'text1.txt'. The terminal output is as follows:

```
[fpalacios@fedora ~]$ ~temp$ mcedit text1.txt
bash: ~temp$: command not found...
[fpalacios@fedora ~]$ ~/temp$ mcedit text1.txt
bash: /home/fpalacios/temp$: No such file or directory
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ ~cd
bash: ~cd: command not found...
[fpalacios@fedora ~]$ cd~
bash: cd~: command not found...
[fpalacios@fedora ~]$ cat *.txt
cat: '*.txt': No such file or directory
[fpalacios@fedora ~]$ cat *.txt
cat: '*.txt': No such file or directory
[fpalacios@fedora ~]$ cat text1.txt
cat: text1.txt: No such file or directory
[fpalacios@fedora ~]$ cat */*.txt
Felipe
Palacios
HKA6d-04-22
[fpalacios@fedora ~]$
```

Скопировал все файлы, чьи имена заканчиваются на .txt, из каталога ~/temp в каталог labs.

A terminal window titled 'fpalacios@fedora:~' showing a sequence of commands and their output. The user enters 'ed', then 'cp temp/*.txt labs', and finally 'ls'. The 'ls' command outputs a long listing of files and directories in the current directory, including Desktop, Documents, Downloads, labs, Music, parentdir, parentdir1, parentdir2, parentdir3, Pictures, Public, temp, tmp, var, Templates, Videos, and work.

```
fpalacios@fedora:~  
[fpalacios@fedora ~]$ ed  
[fpalacios@fedora ~]$ cp temp/*.txt labs  
[fpalacios@fedora ~]$ ls  
Desktop    labs      parentdir  parentdir3  temp        var  
Documents  maik      parentdir1 Pictures     Templates   Videos  
Downloads  Music     parentdir2 Public        tmp          work
```

A terminal window titled 'fpalacios@fedora:~' showing a sequence of commands and their output. The user enters 'lg', which results in a 'command not found' error. Then the user enters 'cd' and 'ls'. The 'ls' command outputs a long listing of files and directories, similar to the first image but with some differences in the order and content of the output.

```
fpalacios@fedora:~  
[fpalacios@fedora ~]$ lg  
bash: lg: command not found...  
[fpalacios@fedora ~]$ cd  
[fpalacios@fedora ~]$ ls  
Desktop    lab1      Music      parentdir2  Public      tmp         work  
Documents  labs     parentdir  parentdir3  temp        var  
Downloads  maik     parentdir1 Pictures     Templates   Videos
```


Переименовал и переместил согласно заданию в нужные каталоги

```
bash: labs: command not found...
[fpalacios@fedora ~]$ ls labs
lab1 lab2 lab3 text1.txt text2.txt text3.txt
[fpalacios@fedora ~]$ mv
mv: missing file operand
Try 'mv --help' for more information.
[fpalacios@fedora ~]$ mv labs/text1.txt lab1/fiest
mv: cannot move 'labs/text1.txt' to 'lab1/fiest': No such file or directory
[fpalacios@fedora ~]$
[fpalacios@fedora ~]$ mv labs/text1.txt lab1/firstname.txt
mv: cannot move 'labs/text1.txt' to 'lab1/firstname.txt': No such file or directory
[fpalacios@fedora ~]$ ls labs
lab1 lab2 lab3 text1.txt text2.txt text3.txt
[fpalacios@fedora ~]$ cp labs/text1.txt labs/firstname.txt
[fpalacios@fedora ~]$ cp labs/text2.txt labs/lastname.txt
[fpalacios@fedora ~]$ cp labs/text3.txt labs/id-group.txt
[fpalacios@fedora ~]$ ls labs
firstname.txt lab1 lab3 text1.txt text3.txt
id-group.txt lab2 lastname.txt text2.txt
[fpalacios@fedora ~]$
```

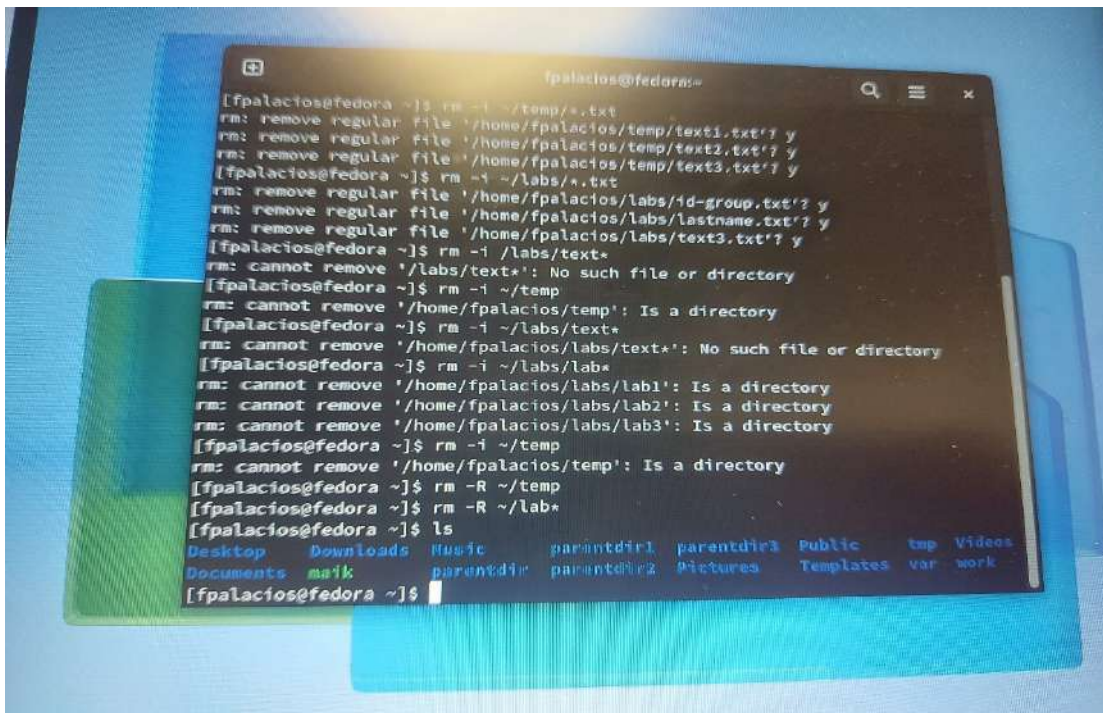
Использовал команды ls и cat - что все действия выполнены верно

```
fpalacios@fedora:~
[fpalacios@fedora ~]$ lg
bash: lg: command not found...
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ ls
Desktop  lab1  Music  parentdir2  Public  tmp  work
Documents  labs  parentdir  parentdir3  temp  var
Downloads  mail  parentdir1  Pictures  Templates  Videos
[fpalacios@fedora ~]$ cat */*.txt
НКА6д-04-22
Palacios
НКА6д-04-22
Felipe
Palacios
НКА6д-04-22
[fpalacios@fedora ~]$
```

Удалил все созданные в ходе выполнения лабораторной работы файлы и каталоги.

```
fpalacios@fedora:~ — rm -i /home/fpalacios/temp/text1.txt /ho...
[fpalacios@fedora ~]$ lg
bash: lg: command not found...
[fpalacios@fedora ~]$ cd
[fpalacios@fedora ~]$ ls
Desktop  lab1  Music      parentdir2  Public  tmp  work
Documents  labs  parentdir  parentdir3  temp    var
Downloads  mail  parentdir1  Pictures    Templates  Videos
[fpalacios@fedora ~]$ cat */*.txt
HKA6д-04-22
Palacios
HKA6д-04-22
Felipe
Palacios
HKA6д-04-22
[fpalacios@fedora ~]$ rm -i ~/temp/*.txt
rm: remove regular file '/home/fpalacios/temp/text1.txt'? y
```

```
fpalacios@fedora:~
Felipe
Palacios
HKA6д-04-22
[fpalacios@fedora ~]$ rm -i ~/temp/*.txt
rm: remove regular file '/home/fpalacios/temp/text1.txt'? y
rm: remove regular file '/home/fpalacios/temp/text2.txt'? y
rm: remove regular file '/home/fpalacios/temp/text3.txt'? y
[fpalacios@fedora ~]$ rm -i ~/labs/*.txt
rm: remove regular file '/home/fpalacios/labs/id-group.txt'? y
rm: remove regular file '/home/fpalacios/labs/lastname.txt'? y
rm: remove regular file '/home/fpalacios/labs/text3.txt'? y
[fpalacios@fedora ~]$ rm -i /labs/text*
rm: cannot remove '/labs/text*': No such file or directory
[fpalacios@fedora ~]$ rm -i ~/temp
rm: cannot remove '/home/fpalacios/temp': Is a directory
[fpalacios@fedora ~]$ rm -i ~/labs/text*
rm: cannot remove '/home/fpalacios/labs/text*': No such file or directory
[fpalacios@fedora ~]$ rm -i ~/labs/lab*
rm: cannot remove '/home/fpalacios/labs/lab1': Is a directory
rm: cannot remove '/home/fpalacios/labs/lab2': Is a directory
rm: cannot remove '/home/fpalacios/labs/lab3': Is a directory
[fpalacios@fedora ~]$ rm -i ~/temp
rm: cannot remove '/home/fpalacios/temp': Is a directory
[fpalacios@fedora ~]$ rm -R ~/temp
[fpalacios@fedora ~]$ rm -R ~/lab*
[fpalacios@fedora ~]$
```

```
[fpalacios@fedora ~]$ rm -i ~/temp/*.txt
rm: remove regular file '/home/fpalacios/temp/text1.txt'? y
rm: remove regular file '/home/fpalacios/temp/text2.txt'? y
rm: remove regular file '/home/fpalacios/temp/text3.txt'? y
[fpalacios@fedora ~]$ rm -i ~/labs/*.txt
rm: remove regular file '/home/fpalacios/labs/id-group.txt'? y
rm: remove regular file '/home/fpalacios/labs/lastname.txt'? y
rm: remove regular file '/home/fpalacios/labs/text3.txt'? y
[fpalacios@fedora ~]$ rm -i ~/labs/text*
rm: cannot remove '/labs/text*': No such file or directory
[fpalacios@fedora ~]$ rm -i ~/temp
rm: cannot remove '/home/fpalacios/temp': Is a directory
[fpalacios@fedora ~]$ rm -i ~/labs/text*
rm: cannot remove '/home/fpalacios/labs/text*': No such file or directory
[fpalacios@fedora ~]$ rm -i ~/labs/lab*
rm: cannot remove '/home/fpalacios/labs/lab1': Is a directory
rm: cannot remove '/home/fpalacios/labs/lab2': Is a directory
rm: cannot remove '/home/fpalacios/labs/lab3': Is a directory
[fpalacios@fedora ~]$ rm -i ~/temp
rm: cannot remove '/home/fpalacios/temp': Is a directory
[fpalacios@fedora ~]$ rm -R ~/temp
[fpalacios@fedora ~]$ rm -R ~/lab*
[fpalacios@fedora ~]$ ls
Desktop  Downloads  Music      parentdir1  parentdir3  Public  tmp  Videos
Documents  mail      parentdir  parentdir2  Pictures    Templates  var  work
```

4. Результат

В Результате выполнения лабораторной работы были приобретены практические навыки работы с операционной системой на уровне командной строки (организация файловой системы, навигация по файловой системе, создание и удаление файлов и директорий).