

Virtual File System

Documentation of commands

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1. mount

Format: mount File path

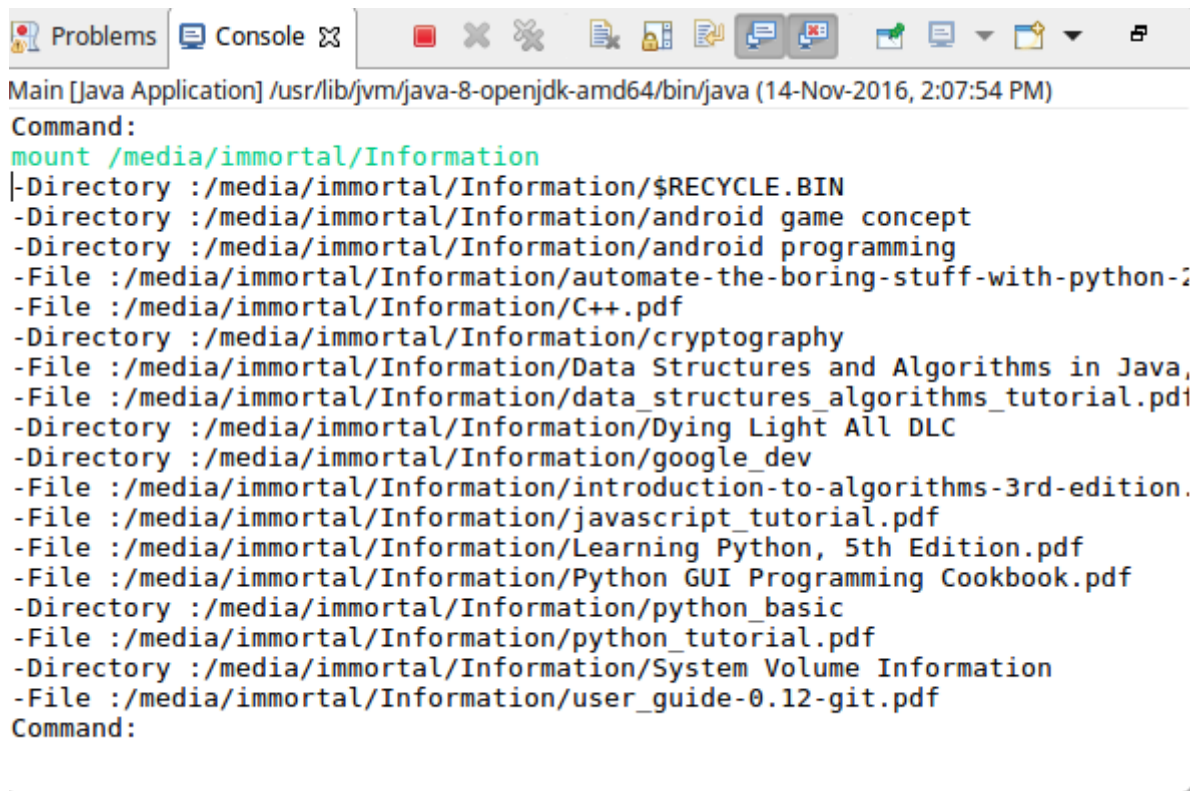
Ex: mount C: (In windows)

Mount /media/immortal/drive (In Linux)

Description: display all files/directory in given file path

Similar command : ls (in Linux), dir (in windows)

Screenshot:



```
Problems Console
Main [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (14-Nov-2016, 2:07:54 PM)
Command:
mount /media/immortal/Information
|-Directory :/media/immortal/Information/$RECYCLE.BIN
-Directory :/media/immortal/Information/android game concept
-Directory :/media/immortal/Information/android programming
-File :/media/immortal/Information/automate-the-boring-stuff-with-python-2
-File :/media/immortal/Information/C++.pdf
-Directory :/media/immortal/Information/cryptography
-File :/media/immortal/Information/Data Structures and Algorithms in Java,
-File :/media/immortal/Information/data_structures_algorithms_tutorial.pdf
-Directory :/media/immortal/Information/Dying Light All DLC
-Directory :/media/immortal/Information/google_dev
-File :/media/immortal/Information/introduction-to-algorithms-3rd-edition.
-File :/media/immortal/Information/javascript_tutorial.pdf
-File :/media/immortal/Information/Learning Python, 5th Edition.pdf
-File :/media/immortal/Information/Python GUI Programming Cookbook.pdf
-Directory :/media/immortal/Information/python_basic
-File :/media/immortal/Information/python_tutorial.pdf
-Directory :/media/immortal/Information/System Volume Information
-File :/media/immortal/Information/user_guide-0.12-git.pdf
Command:
```

2. mount all

Format: mount File path all

Ex: mount C: all (In windows)

mount /media/immortal/drive name all (In Linux)

Description: display all files/directory in given file path
Recursively.

Screenshot:

[illegible]

3. path

Format: path = file path

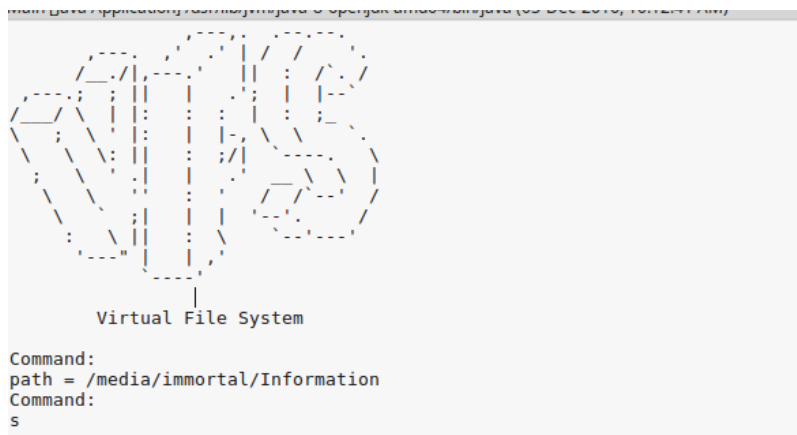
Ex: path = C: (In windows)

path = /media/immortal/drive name (In Linux)

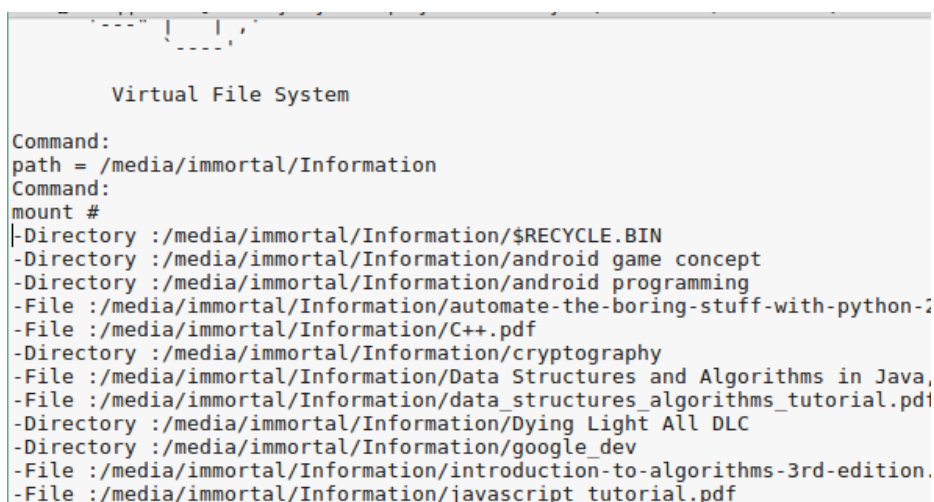
Description: save file path and then use as #

Similar command: cd (linux/windows)

Screenshot :



Using path as #



4. buildTree

Format: build Tree file path

Ex: buildTree C: (In windows)

build Tree /media/immortal/drive name (In Linux)

Description: command make tree of file system and initialize hash map for searching

Similar command: tree (in windows), no default command (in Linux)

Screenshot:



```
Virtual File System

Command:
buildTree /media/immortal/Important
File detected
Tree has been Build!!!
Command:
```

5. displayTree

Format: display Tree

Ex: display Tree

Description: command will display the generated tree

Similar command: tree (in windows), no default command (in Linux)

Screenshot :

```
tree has been built!!!  
Command:  
displayTree  
root  
  root/media  
    root/media/immortal  
      root/media/immortal/Information  
        root/media/immortal/Information/$RECYCLE.BIN  
          root/media/immortal/Information/$RECYCLE.BIN/S-1-5-21-2362890129  
            root/media/immortal/Information/$RECYCLE.BIN/S-1-5-21-2362890129  
              root/media/immortal/Information/$RECYCLE.BIN/S-1-5-21-2362890129  
                root/media/immortal/Information/android game concept  
                  root/media/immortal/Information/android game concept/Android Game  
                    root/media/immortal/Information/android game concept/Android Game  
                      root/media/immortal/Information/android game concept/Android Game  
                        root/media/immortal/Information/android game concept/Android Game  
                          root/media/immortal/Information/android game concept/Android Game  
                            root/media/immortal/Information/android game concept/Android Game  
                              root/media/immortal/Information/android game concept/Android Game  
                                root/media/immortal/Information/android game concept/Android Game  
                                  root/media/immortal/Information/android game concept/Android Game
```

6. search

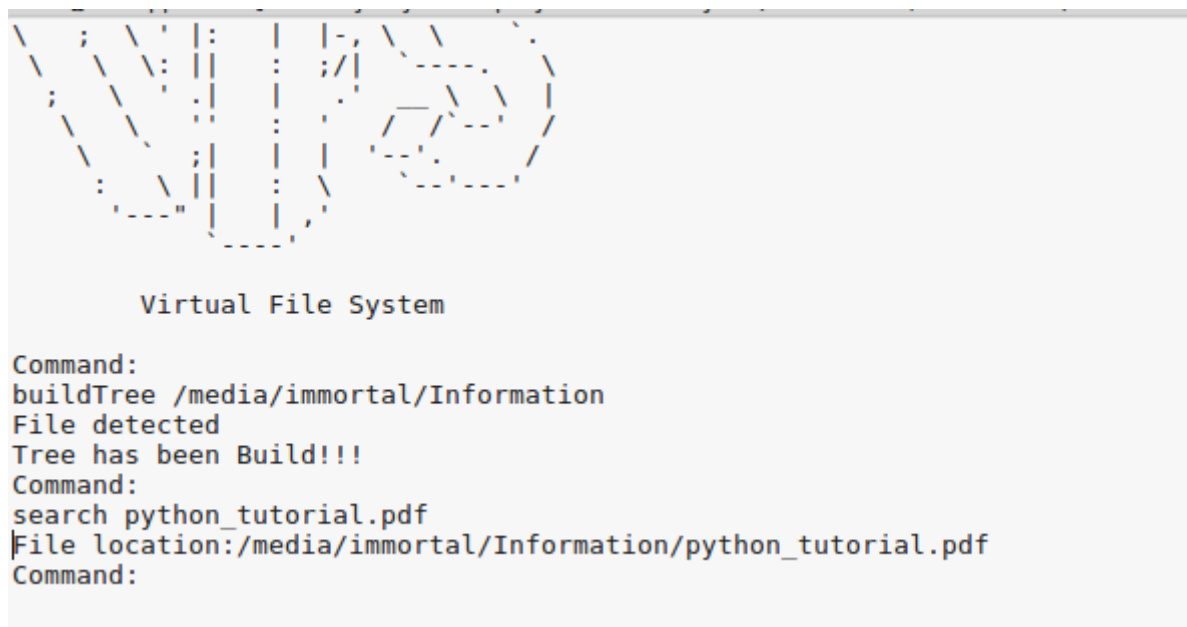
Format: search filename with extension

Ex: search python_tutorial.pdf

Description: command will search for file and return file location.

Similar command:

Screenshot:



```
Virtual File System

Command:
buildTree /media/immortal/Information
File detected
Tree has been Build!!!
Command:
search python_tutorial.pdf
File location:/media/immortal/Information/python_tutorial.pdf
Command:
```


7. createdir

Format: createdir file path directory name

Ex: createdir /media/immortal/Information newfolder

Description: command will create new directory in given file path.

Similar command: mkdir (linux)

Screenshot:



8. createfile

Format: createfile file path filename

Ex: createdir /media/immortal/Information file.txt

Description: command will create new file in given file path.

Similar command: cat(linux)

Screenshot:



9. copyfile

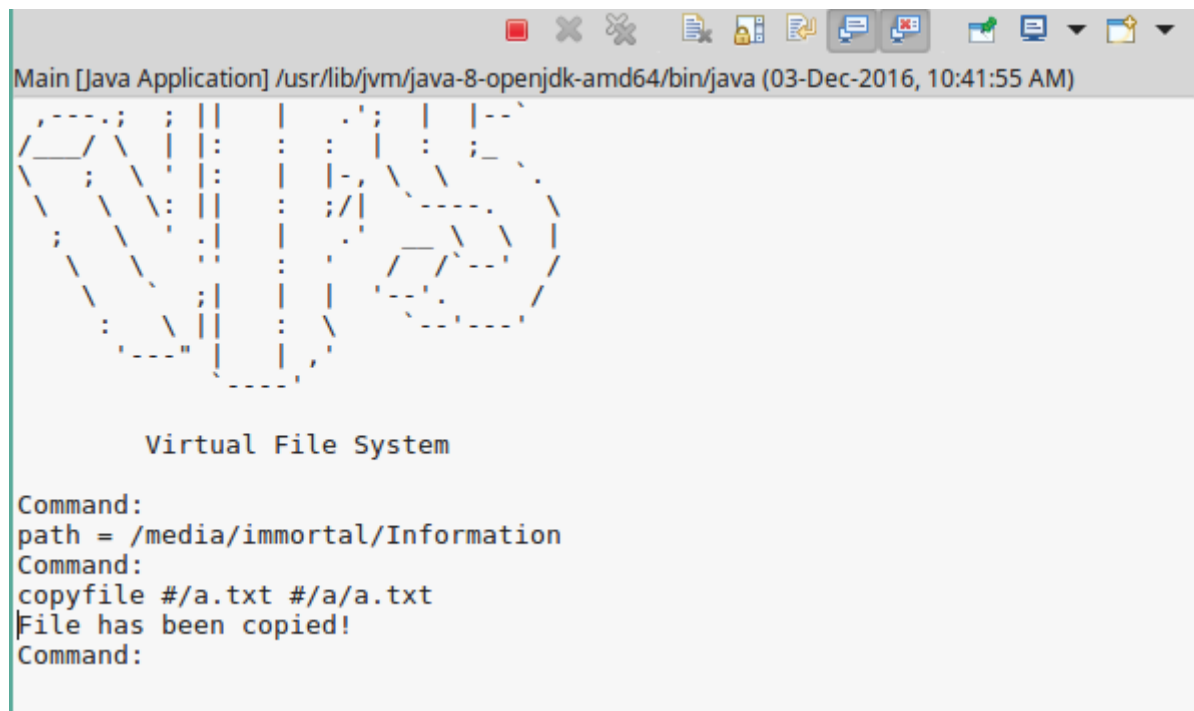
Format: copyfile filepath(src) filepath(dest)

Ex: copydir #/a/a.txt #/b/a.txt (# work as path)

Description: command will copy file into given file path.

Similar command: cp(linux)

Screenshot:



10. movefile


Format: movefile filepath(src) filepath(dest)

Ex: movefile #/a/a.txt #/b/a.txt (# work as path)

Description: command will move file into given file path.

Similar command: mv(linux)

Screenshot:



```
Virtual File System

Command:
path = /media/immortal/Information
Command:
copyfile #/a.txt #/a/a.txt
File has been copied!
Command:
movefile #/a.txt #/a/b.txt
File has been moved
Command:
```

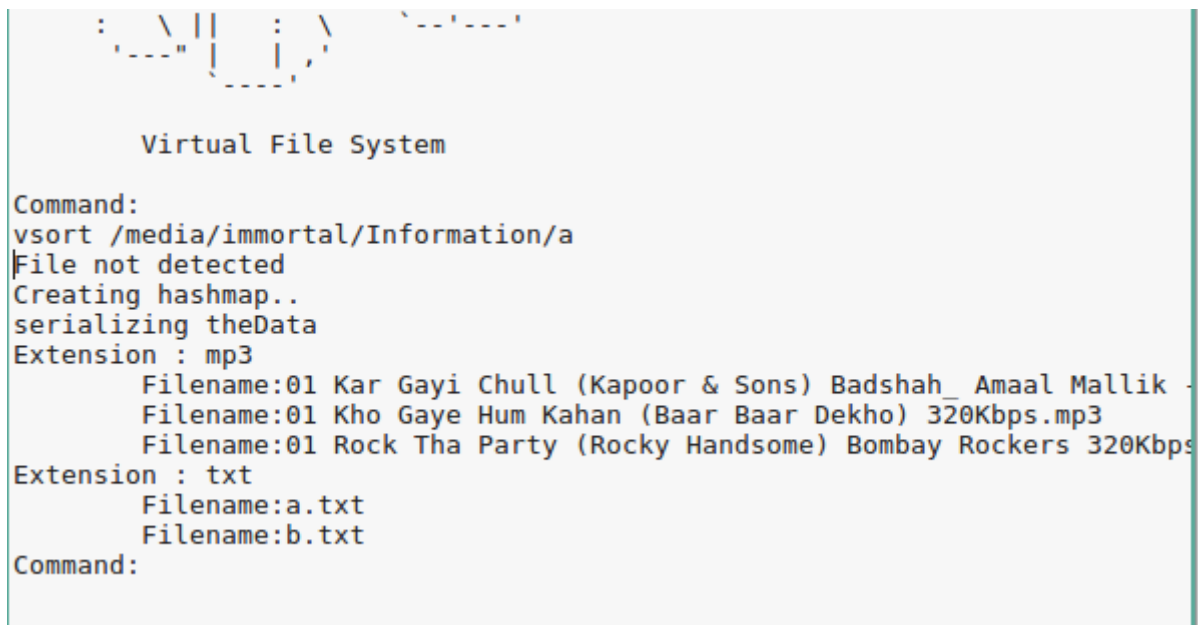
11. vsort

Format: vsort filepath

Ex: vsort /media/immortal/Information/testfolder

Description: command will display sorted file with all extension.

Screenshot:



```
Virtual File System

Command:
vsort /media/immortal/Information/a
File not detected
Creating hashmap..
serializing theData
Extension : mp3
    Filename:01 Kar Gayi Chull (Kapoor & Sons) Badshah_ Amaal Mallik -
    Filename:01 Kho Gaye Hum Kahan (Baar Baar Dekho) 320Kbps.mp3
    Filename:01 Rock Tha Party (Rocky Handsome) Bombay Rockers 320Kbps
Extension : txt
    Filename:a.txt
    Filename:b.txt
Command:
```

12. vsort ext

Format: vsort filepath extension_name

Ex: vsort /media/immortal/Information/testfolder mp3

Description : command will display sorted file with given extension.

Screenshot:



```
Virtual File System

Command:
vsort /media/immortal/Information/a mp3
File detected
Extension : mp3
  Filename:01 Kar Gayi Chull (Kapoor & Sons) Badshah_ Amaal Mallik -
  Filename:01 Kho Gaye Hum Kahan (Baar Baar Dekho) 320Kbps.mp3
  Filename:01 Rock Tha Party (Rocky Handsome) Bombay Rockers 320Kbps
Command:
```

13. vsort -p

Format: vsort filepath -p

Ex: vsort /media/immortal/Information/testfolder -p

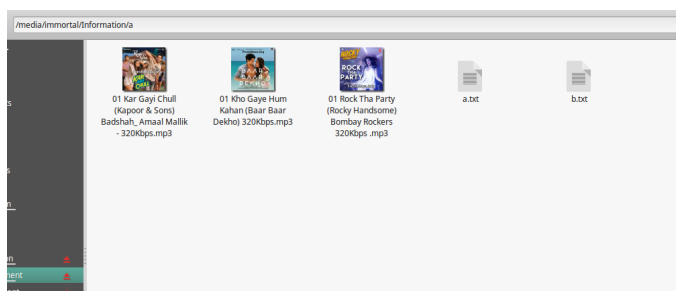
Description : command will sort all the files based on extension in real file system.

ScreenShot:

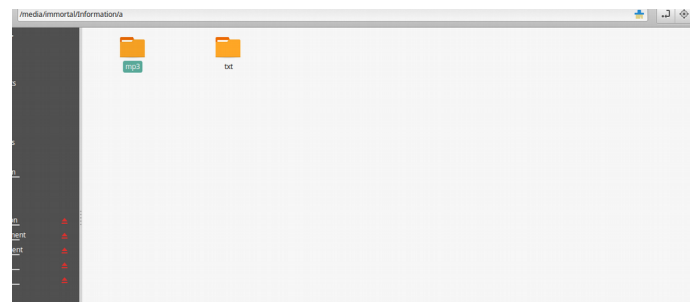
```
Virtual File System

Command:
vsort /media/immortal/Information/a mp3
File detected
Extension : mp3
  Filename:01 Kar Gayi Chull (Kapoor & Sons) Badshah_ Amaal Mallik
  Filename:01 Kho Gaye Hum Kahan (Baar Baar Dekho) 320Kbps.mp3
  Filename:01 Rock Tha Party (Rocky Handsome) Bombay Rockers 320Kbps
Command:
vsort /media/immortal/Information/a txt
Extension : txt
  Filename:a.txt
  Filename:b.txt
Command:
vsort /media/immortal/Information/a -p
Command:
```

Before vsort -p:



After vsort -p:



14. msort

Format: msort filepath

Ex: msort /media/immortal/Information/testfolder

Description: command will sort all the mp3 files based on film name.

Screenshot:

```
virtual File System
Command:
msort /media/immortal/Information/testfolder
File not detected
Creating hashmap..
Rocky Handsome
Baaghi
Welcome Back
Great Grand Masti
Baar Baar Dekho
serializing theData
Extension : Baar Baar Dekho
    Filename:02 Sau Aasmaan (Baar Baar Dekho) - Armaan Malik 320Kbps.m
Extension : Baaghi
    Filename:01 Sab Tera (Baaghi) - Armaan Malik, Shraddha Kapoor - 19
Extension : Welcome Back
    Filename:02 20-20 (Welcome Back) 320Kbps.mp3
Extension : Great Grand Masti
    Filename:02 Resham Ka Rumaal (Great Grand Masti) 320Kbps.mp3
Extension : Rocky Handsome
```


15. msort -p

Format: msort filepath -p

Ex: msort /media/immortal/Information/testfolder -p

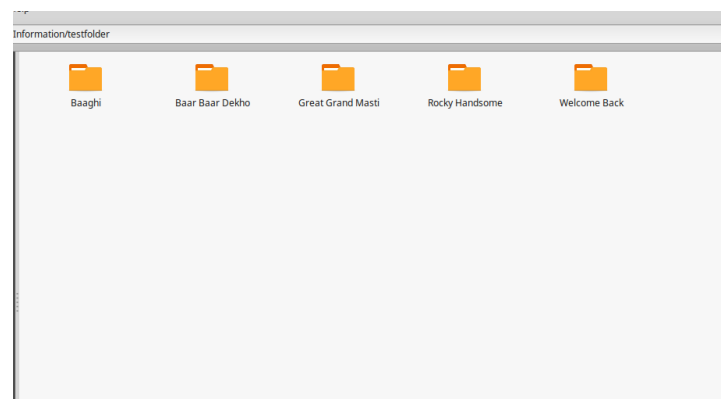
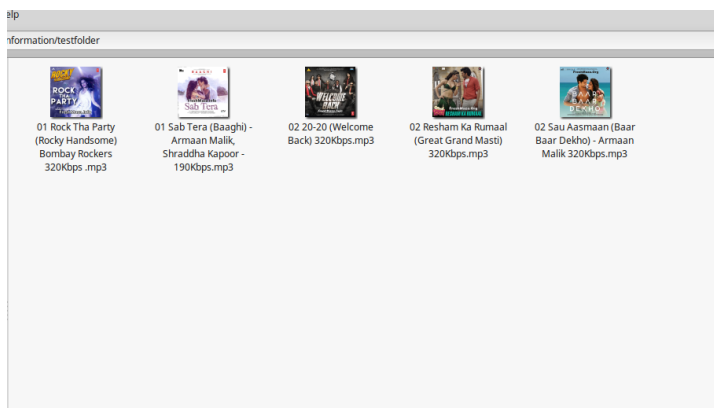
Description: command will sort all the mp3 files based on film name in real file system.

Similar command:

```
Extension : Rocky Handsome  
Filename:01 Rock Tha Party (Rocky Handsome) Bombay Rockers 320Kbps  
Command:  
msort /media/immortal/Information/testfolder -p  
File detected  
Command:
```

Before msort -p

After msort -p



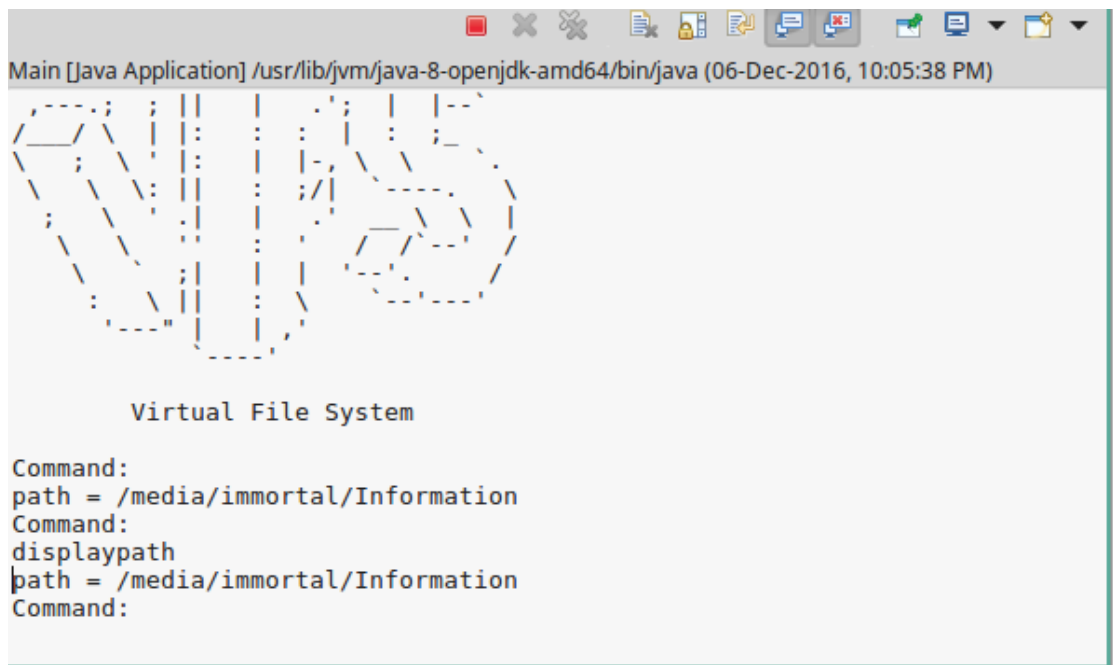
16. displaypath

Format: displaypath

Ex: displaypath

Description: command will display current set path.

Screenshot:



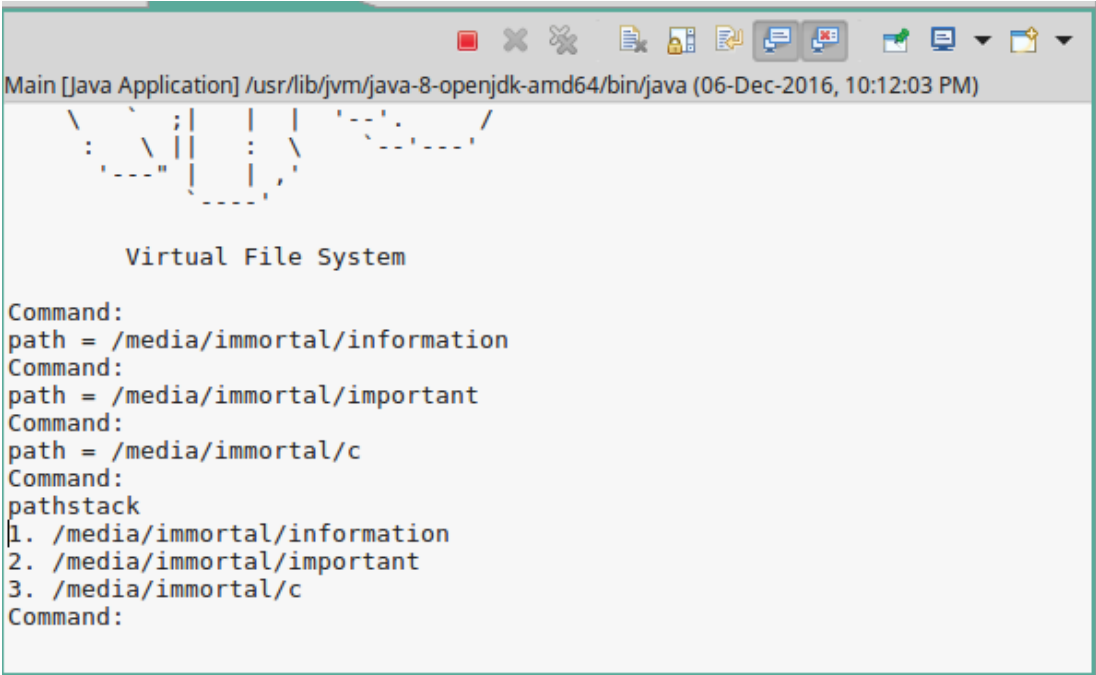
17. pathstack

Format: pathstack

Ex: pathstack

Description : command will display all path which has been used during one session.

ScreenShot :



```
Main [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (06-Dec-2016, 10:12:03 PM)

Virtual File System

Command:
path = /media/immortal/information
Command:
path = /media/immortal/important
Command:
path = /media/immortal/c
Command:
pathstack
1. /media/immortal/information
2. /media/immortal/important
3. /media/immortal/c
Command:
```

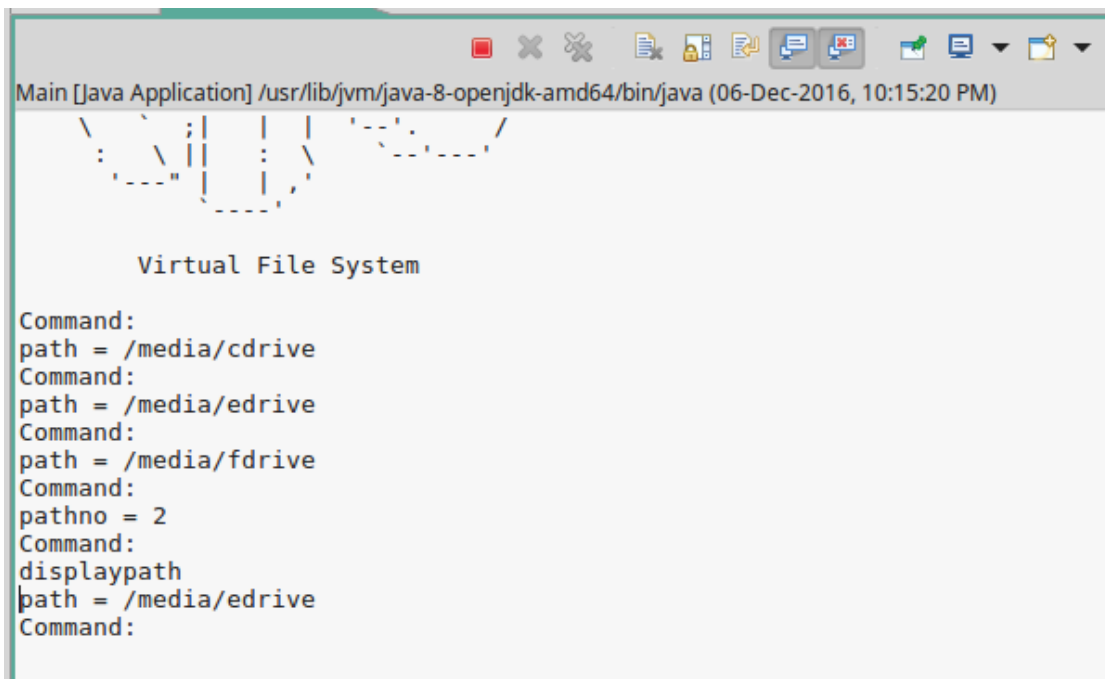
18. pathno

Format: pathno = integer

Ex: pathno = 2

Description: command will set root as given number of string in stack.

Screenshot :



```
Main [Java Application] /usr/lib/jvm/java-8-openjdk-amd64/bin/java (06-Dec-2016, 10:15:20 PM)

Virtual File System

Command:
path = /media/cdrive
Command:
path = /media/edrive
Command:
path = /media/fdrive
Command:
pathno = 2
Command:
displaypath
path = /media/edrive
Command:
```

19. clear

Format: clear

Ex: clear

Description: command will clear screen.

20. exit

Format: exit

Ex: exit

Description: command will terminate running program.