

Internal Commands:-

1. cd

- Operations
 - 1.) cd (#directory) -> Moves to the given directory
 - 2.) cd .. -> Moves the directory back one directory
 - 3.) cd / -> Moves to the parent directory
- Edge Cases
 - 1.) Invalid syntax error -> eg- cd
 - 2.) File doesn't exit -> eg- cd test (test doesn't exist in the directory)

2. echo

- Operations
 - 1.) echo (#string) -> Prints the given string
 - 2.) echo * -> Prints all the files present in the current directory
 - 3.) echo -n (#string) -> Prints the given string without the newline character
- Edge Cases
 - 1.) Invalid syntax error -> eg- echo
 - 2.) Invalid operation error -> eg- echo -t Hello World (-t is not a function)

3. pwd

- Operations
 - 1.) pwd -> Prints the current directory
 - 2.) pwd -L -> Prints the current directory (prints value of \$PWD)
 - 3.) pwd -P -> Prints the physical directory (without symbolic links)
- Edge Cases
 - 1.) Invalid syntax error -> eg- pwd hello
 - 2.) Invalid operation error -> eg- pwd -t (-t is not a function)

External Commands:-

4. ls

- Operations
 - 1.) ls -> Prints all the files/folder in the current directory
 - 2.) ls -a -> Prints all the files/folder and hidden files/folder
 - 3.) ls -p -> Prints all the files and indicate folders with a "/"
- Edge Cases
 - 1.) Invalid operation error -> eg- ls -t (-t is not a function)
 - 2.) File doesn't exit -> eg- ls test (test doesn't exist in the directory)

5. cat

- Operations
 - 1.) cat (#file.txt) -> Prints the content of the text file
 - 2.) cat > (#file.txt) -> Creates a text file of the given name

3.) `cat (#file.txt) (#file.txt)` -> Prints the content of both the text files

- Edge Cases

1.) Invalid operation error -> eg- `cat -t test.txt` (-t is not a function)

2.) File doesn't exist -> eg- `cat test.txt` (test doesn't exist)

6. date

- Operations

1.) `date` -> Prints the current local date-time

2.) `date -u` -> Prints the universal date-time

3.) `date -R` -> Prints the local date-time in RFC 5322 format

- Edge Cases

1.) Invalid operation error -> eg- `date -t` (-t is not a function)

2.) Invalid syntax error -> eg- `date Hello`

7. rm

- Operations

1.) `rm (#filename)` -> Deletes the specified file

2.) `rm -i (#filename)` -> Deletes the specified file after confirming

3.) `rm -v (#filename)` -> Deletes the specified file while informing

- Edge Cases

1.) Invalid operation error -> eg- `rm -t (#filename)` (-t is not a function)

2.) File doesn't exist -> eg- `rm test` (test doesn't exist)

8. mkdir

- Operations

1.) `mkdir (#filename)` -> Makes a directory of the given name

2.) `mkdir -v (#filename)` -> Makes a directory while informing

3.) `mkdir -m=(#level) (#filename)` -> Makes a directory with the given level

- Edge Cases

1.) Invalid operation error -> eg- `mkdir -t (#filename)` (-t is not a function)

2.) File already exists -> eg- `mkdir test` (test already exists)

3.) Unable to create directory -> eg- `mkdir test/test1` (test doesn't exist)

Testcases:-

- `cd test`
- `cd ..`
- `cd /`
- `echo Hello World`
- `echo -n Hello World`
- `echo *`
- `pwd`
- `pwd -L`
- `pwd -P`
- `ls`
- `ls -a`
- `ls -p`
- `cat test.txt`
- `cat > test.txt`
- `cat test1.txt test2.txt`
- `date`
- `date -u`
- `date -R`
- `rm test.txt`
- `rm -i test.txt`
- `rm -v test.txt`
- `mkdir test`
- `mkdir -v test`
- `mkdir -m=400 test`