

# **DOCUMENTATION**

## **OS Assignment 1**

### **Pulkit Nargotra**

#### **OPTIONS HANDLED :**

1. cd : “..” , “--” (cd has no options but I handled them separately as option just for the sake of completing 2 options)
2. pwd : (not handled -L as it works the same as default pwd, so it was unnecessary to make a new function for the same task)
3. echo : -n , --help
4. ls : -a , -1
5. cat : -n , -e
6. rm : -i , -v
7. mkdir : -v
8. date

#### **Error :**

cd : If required parameters are not enough or more than required , it throws an error .

echo : if no argument is passed after echo , then a fault is thrown.

ls : if folder has no files, error is thrown.

ls &t : if folder has no files, error is thrown.

ls -1 : if folder has no files, error is thrown.

ls -1 &t : if folder has no files, error is thrown.

ls -a : if folder has no files, error is thrown.

ls -a &t : if folder has no files, error is thrown.

mkdir <dir\_name> : if directory already exists, it throws an error.

mkdir <dir\_name> &t : if directory already exists, it throws an error.

mkdir -v <dir\_name> : if directory already exists, it throws an error.

mkdir -v <dir\_name> &t : if directory already exists, it throws an error.

rm <filename> : if file is not existing (or wrong file name) , then it throws an error.  
rm <filename> &t : if file is not existing (or wrong file name) , then it throws an error.  
rm -v <filename> : if file is not existing (or wrong file name) , then it throws an error.  
rm -v <filename> &t : if file is not existing (or wrong file name) , then it throws an error.  
rm -i <filename> : if file is not existing (or wrong file name) , then it throws an error.  
if user inputs anything except 'Y'.  
rm -i <filename> &t : if file is not existing (or wrong file name) , then it throws an error.  
if user inputs anything except 'Y'.

cat <filename> : if input file does not exist in the directory , then it throws an error.  
cat <filename> &t : if input file does not exist in the directory , then it throws an error.  
cat -n <filename> : if input file does not exist in the directory , then it throws an error.  
cat -n <filename> &t : if input file does not exist in the directory , then it throws an error.  
cat -e <filename> : if input file does not exist in the directory , then it throws an error.  
cat -e <filename> &t : if input file does not exist in the directory , then it throws an error.

## **TEST CASES :**

```
cd desktop
pwd
echo pulkit nargotra
echo -n pulkit nargotra
ls -l &t
ls -a
date
cat rm.c
cat -n rm.c &t
cat -e rm.c &t
mkdir A
mkdir -v B &t
rm A &t
rm -i B
```

