

Bash document

```
1. mkdir ${HOME}/Desktop/Directory/ PySample.py  
   mkdir ${HOME}/Desktop/Directory/ stuff.py  
   mkdir ${HOME}/Desktop/Directory/ ExtraP.txt
```

```
2. ls -a
```

```
3 . cat PySample.py cat ExtraP.txt
```

```
cat Stuff.py
```

display last 3 lines of all files

```
tail -n 3 PySample.py
```

```
tail -n 3 ExtraP.txt
```

```
tail -n 3 Stuff.py
```

```
4. Create PythonCurrent directory  
mkdir PythonCurrent
```

```
Create PythonDone directory  
mkdir PythonDone
```

```
Create TextFiles directory  
mkdir TextFiles
```

```
Create 2022 directory inside PythonDone  
mkdir PythonDone/2022
```

```
Create 2023 directory inside PythonDone  
mkdir PythonDone/2023
```

```
Create Python directory inside TextFiles  
mkdir TextFiles/Python
```

```
Create Other directory inside TextFiles  
mkdir TextFiles/Other
```

5. Change to PythonDone directory
cd PythonDone

Confirm the current directory using pwd
echo "Current directory: \$(pwd)"

List files in the PythonDone directory
ls

6. Save the current working directory
working_dir=\$(pwd)

Change to PythonCurrent directory
cd PythonCurrent
echo "Current directory: \$(pwd)"

Change to 2023 directory
cd ../PythonDone/2023
echo "Current directory: \$(pwd)"

Change to Other directory
cd ../../TextFiles/Other
echo "Current directory: \$(pwd)"

Return to the working directory
cd "\$working_dir"
echo "Current directory: \$(pwd)"

7. Move Stuff.py to PythonCurrent with the same name
mv Stuff.py PythonCurrent/Stuff.py

Check if the file has been moved
ls PythonCurrent

Copy ExtraP.txt to Python folder in TextFiles
cp ExtraP.txt TextFiles/Python/ExtraP.txt

8. # Change to Python folder
cd TextFiles/Python

Display the first 6 lines of ExtraP.txt
head -n 6 ExtraP.txt

Move back to the main folder
cd -

9. Display the contents of ExtraP.txt from the Python directory in PythonDone
cat PythonDone/Python/ExtraP.txt

10. Search for the file Stuff.py in all subdirectories of the working directory
find . -name "Stuff.py"

11. Change permissions of PySample.py to read and execute for owner, group, and others
chmod 555 PySample.py

12. Find occurrences of "getName" in files and indicate the file(s)
grep -r "getName" . > FindResults.txt

Find occurrences of "RetailCost" (case-insensitive) in files and append to FindResults.txt
grep -ri "RetailCost" . >> FindResults.txt

13. q – go back to main. This'll help with easier navigation. Giving a consistent area to start back up on again. Making creating new directories, & folders