Create Files and Add Content:

- Create `PySample.py` with a basic Python code snippet and add the word “RetailCost”:

    echo "def hello\_world():" > PySample.py

    echo " print('Hello, world!')" >> PySample.py

    echo "RetailCost" >> PySample.py

- Create `Stuff.py` with a Python code snippet and add the word “getName”:

    echo "def get\_name():" > Stuff.py

    echo " return 'Your Name'" >> Stuff.py

    echo "getName" >> Stuff.py

- Create `ExtraP.txt` and add some text:

    echo "This is a text file with some example text." > ExtraP.txt

Create Files and Add Text to Them:

- Create `PySample.py`, `ExtraP.txt`, `Stuff.py` and add specified text:

    echo "Python code" > PySample.py

    echo "Python code" > Stuff.py

    echo "Some text" > ExtraP.txt

    echo "RetailCost" >> PySample.py

    echo "getName" >> Stuff.py

Working with Directories and Files:

- What is the current directory?

    pwd

- List the contents of the current directory:

    ls

- List the contents of the current directory including hidden files:

    ls -a

- List the files with permissions displayed:

    ls -l

Display File Contents:

- Display the full contents of each of the files created:

    cat PySample.py ExtraP.txt Stuff.py

- Display only the first 3 lines of `PySample.py`:

    head -n 3 PySample.py

- Display the last 3 lines of `Stuff.py`:

    tail -n 3 Stuff.py

- Display the last 3 lines of all files:

    tail -n 3 PySample.py ExtraP.txt Stuff.py

- For large files, to view one screen at a time:

    less filename

Create Directories and Navigate:

- Create directories and navigate to `PythonDone`:

    mkdir PythonCurrent PythonDone TextFiles

    mkdir PythonDone/2022 PythonDone/2023

    mkdir TextFiles/Python TextFiles/Other

    cd PythonDone

    pwd

    ls

- Navigate to `PythonCurrent`, `2023`, and `Other` directories and prove location:

    cd ../PythonCurrent

    pwd

    cd ../PythonDone/2023

    pwd

    cd ../TextFiles/Other

    pwd

    cd -

Move and Copy Files:

- Move `Stuff.py` to `PythonCurrent` and check:

    mv Stuff.py PythonCurrent/

    ls PythonCurrent/

- Copy `ExtraP.txt` to `Python` folder in `TextFiles`:

    cp ExtraP.txt TextFiles/Python/

Working with Files in Different Directories:

- Display first 6 lines of `ExtraP.txt` in `Python` folder:

    cd TextFiles/Python

    head -n 6 ExtraP.txt

    cd -

- Display contents of `ExtraP.txt` from `Python` directory in `PythonDone` directory:

    cat TextFiles/Python/ExtraP.txt

Find File in Subdirectories:

- Find `Stuff.py` in all subdirectories:

    find . -name "Stuff.py"

Change File Permissions:

- Change permissions of `PySample.py` to read and execute only for everyone:

    chmod 755 PySample.py

Find Text in Files and Redirect Output:

- Find `getName` in a file and indicate which file(s) it's located in:

    grep -r "getName" .

- Find `RetailCost` in a file, ignoring case, and direct output to `FindResults.txt`:

    grep -ri "RetailCost" . > FindResults.txt

- Append second result to the same file without overwriting:

    grep -r "SecondSearchTerm" . >> FindResults.txt

Perform an Additional Useful Command: - Example command and explanation:

du -sh \\*

    This command displays the disk usage of files and directories in the current directory in a human-readable format (`-h`), showing each item's size. It's beneficial for identifying large files or directories quickly.