QAP 3 – Project 3

Project Setup - Liam

Create Files and Add Content

touch PySample.py ExtraP.txt Stuff.py

echo “print(‘RetailCost’)” > PySample.py

echo “def getName():” > Stuff.py

echo “This is a file with getName and RetailCost in it.” > ExtraP.txt

Check Directory and List Contents

pwd Show full current directory path

ls List contents of the current directory

ls -a List contents including hidden files (like .git or .DS\_Store)

ls -la List contents with detailed permissions (+ hidden files)

Display file Contents

cat PySample.py

cat Stuff.py

cat ExtraP.txt

head -n 3 PySample.py First 3 lines of PySample.py

tail -n 3 Stuff.py Last 3 lines of Stuff.py

tail -n 3 PySample.py

tail -n 3 Stuff.py

tail -n 3 ExtraP.txt

Create Directory Structure

mkdir PythonCurrent PythonDone TextFiles

mkdir PythonDone/2022 PythonDone/2023

mkdir TextFiles/Python TextFiles/Other

First Section – Logan, Liam, Charles

Change and Prove Directory Navigation

cd PythonDone

pwd

ls

cd ../PythonCurrent

pwd

cd ../PythonDone/2023

pwd

cd ../../TextFiles/Other

pwd

cd ../../

pwd Back to starting directory

Move and Copy Files

mv Stuff.py PythonCurrent/Stuff.py

ls PythonCurrent

cp ExtraP.txt TextFiles/Python/

ls TextFiles/Python

Examine Files with Head

cd TextFiles/Python

head -n 6 ExtraP.txt

cd ../../

Display File From Specific Location

cat TextFiles/Python/ExtraP.txt

Second Section - Chalres

Find Files and Change Permissions

find . -type f

chmod 555 ./QAP-3/Project3/PySample.py

Search File Contents and Output to File

grep -r ‘getName’

grep -rli "RetailCost" . > FindResults.txt

Append Results Without Overwriting

mv -i

Third Section - Liam

View Large Files One Screen at a Time

Less PySample.py

This makes reading long files much easier – it prevents overload and makes it easy to search and read at your own pace.

Useful Extra Bash Command

History | tail -n 10

This shows your last 10 terminal commands. Helpful for copy-paste or to retrace your steps if you forget what you did.