**PII.ps1**

#BECAUSE DEFAULT SETTINGS RESTRICT PS1 EXECUTION COPY PASTE LINES INTO POWERSHELL

#specifies PII file extensions to search for

$extensions = @('\*.jpg', '\*.txt', '\*.csv', '\*.xlsx', '\*.pdf', '\*.docx')

#edit -Path parameter to search the directory and subdirectories make sure directory is reachable from current directory

Get-ChildItem -Path "Desktop" -Include $extensions -File -Recurse | Select-Object FullName

**PII.sh**

#!/bin/sh

rootdir="/home/"

ssn\_pattern='[0-9]\{3\}-[0-9]\{2\}-[0-9]\{4\}'

# Search for SSNs in various file types

find "$rootdir" -type f \( -name "\*.jpg" -o -name "\*.txt" -o -name "\*.csv" -o -name "\*.xlsx" -o -name "\*.pdf" -o -name "\*.docx" \) -exec sh -c '

file="$1"

if [ "${file##\*.}" = "jpg" ]; then

echo "$file is a JPG file. Skipping SSN search for image files."

else

grep -Hn "$2" "$file" | while read -r line; do echo "$file:SSN:$line"; done

fi

' sh '{}' "$ssn\_pattern" \;

# Summarize

echo "Summary:"

total\_files=$(find "$rootdir" -type f \( -name "\*.jpg" -o -name "\*.txt" -o -name "\*.csv" -o -name "\*.xlsx" -o -name "\*.pdf" -o -name "\*.docx" \) | wc -l)

total\_ssns=$(grep -r -E "$ssn\_pattern" "$rootdir" | grep -v '\.jpg$' | wc -l)

echo "Total SSNs found: $total\_ssns"

echo "Total files searched: $total\_files"