Assignment 5

Isaiah Hoffer

RESULT:

A computer screen with white text

AI-generated content may be incorrect.

SCRIPT:

#! /bin/bash

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#

# Summary:

#

# Arguments:

# 1. file path to directory user wants to count file types

#

# Usage: hw6.sh directory-to-count

# Example: ./hw5.sh /etc/

#Arguments:

dir\_path=$1

#Directory Name and Count Variables

dir\_name=${dirPath##\*/}

dir\_count=0

soft\_link\_count=0

content\_files\_count=0

empty\_files=0

#Search Each File In Directory

#Find Type And Add 1 to Respected Count Variable

for file in $dir\_path/\*; do

# If File is Normal AND is also empty

if [ -f $file ] && [ ! -s $file ]; then

((empty\_files++))

fi

# If File is Normal AND is NOT empty

if [ -f $file ] && [ -s $file ]; then

((content\_files\_count++))

fi

# If File is a Softlink

if [ -h $file ]; then

((soft\_link\_count++))

fi

# If File is a Directory

if [ -d $file ]; then

((dir\_count++))

fi

done

# Printing Results

echo "----------HOMEWORK 5----------"

echo ""

echo ""

echo "----------FILE TYPES----------"

echo "Files in Directory: $dir\_name"

echo "Directories: $dir\_count"

echo "Softlinks: $soft\_link\_count"

echo "Files with Content: $content\_files\_count"

echo "Empty Files: $empty\_files"