Assignment3

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Here is the source code:

#!/bin/bash

if [[ $# == 0 ]]; then

echo "Usage:myArchive [-t targetDir] [-a arcDir] <extension-list>."

exit

fi

#default target directory and default archive directory

targetDir=./

arcDir=./arcDir

#Modify the two directories according to the parameters

while getopts 'a:t:' OPT; do

case $OPT in

a) arcDir="$OPTARG";;

t) targetDir="$OPTARG";;

?) echo "One parameter is wrong";;

esac

done

#if archive directory don't exist create one

if [[ ! -d "$arcDir" ]]; then

mkdir $arcDir

fi

#check if target-directory exists and if it has write permission

if [[ ! -w "$targetDir" ]]; then

echo "the target directory is wrong"

exit

fi

echo "target directory: $targetDir"

echo "archive Directory: $arcDir"

for extension in "$@"

do

if [[ $extension != "-a" && $extension != "-t" && $extension != "$targetDir" && $extension != "$arcDir" ]];

then

echo "extension: $extension"

find $targetDir -name "\*.$extension" | xargs -i mv {} $arcDir #searches all files whose extensions are "$extension" then move them

fi

done

Below are some results of my Assignment:

Case1:

Original:

图形用户界面, 应用程序

描述已自动生成

Command

图表

中度可信度描述已自动生成

Result

图形用户界面, 文本, 应用程序

描述已自动生成

Case2

Original:

图形用户界面, 应用程序, Word

描述已自动生成

Command:

图形用户界面, 图表, 应用程序

中度可信度描述已自动生成

Result:

图形用户界面, 应用程序

描述已自动生成

Case3:

Original:

图形用户界面, 应用程序, Word

描述已自动生成

Command:

文本

描述已自动生成

Result:

图形用户界面, 应用程序

描述已自动生成