**Assignment 5**

**Modify the script to handle errors, such as the directory already existing or lacking permissions to create file. add a debugging mode that prints additional information when enabled.**

#!/bin/bash

DEBUG=true

debug() {

if [ "$DEBUG" = true ]; then

echo "DEBUG: $1"

fi

}

dir\_name="sampleDir"

if ! mkdir -p "$dir\_name" 2>/dev/null; then

echo "Error: Unable to create directory $dir\_name. Check permissions."

exit 1

else

debug "Directory $dir\_name created or already exists."

fi

if ! **cd** "$dir\_name" 2>/dev/null; then

echo "Error: Unable to change to directory $dir\_name. Check permissions."

exit 1

else

debug "Changed to directory $dir\_name."

fi

for i in {1..10}; do

file\_name="File${i}.txt"

if ! echo "$file\_name" > "$file\_name" 2>/dev/null; then

echo "Error: Unable to create file $file\_name. Check permissions."

exit 1

else

debug "Created file $file\_name with its name as content."

fi

done

echo "Created $dir\_name with files File1.txt to File10.txt."