Certainly! Here are a few more examples of shell scripting programs that involve file handling:

\*\*Example 1: Counting Lines, Words, and Characters in a File\*\*

```shell

#!/bin/bash

filename="sample.txt"

line\_count=$(wc -l < "$filename")

word\_count=$(wc -w < "$filename")

character\_count=$(wc -c < "$filename")

echo "Line count: $line\_count"

echo "Word count: $word\_count"

echo "Character count: $character\_count"

```

In this example, the program counts the number of lines, words, and characters in a file named "sample.txt" using the `wc` command. It redirects the output of `wc` to variables and displays the counts.

\*\*Example 2: Concatenating Files into a New File\*\*

```shell

#!/bin/bash

output\_file="concatenated.txt"

# List of input files

input\_files=("file1.txt" "file2.txt" "file3.txt")

# Clear the output file

> "$output\_file"

# Concatenate input files into the output file

for file in "${input\_files[@]}"; do

cat "$file" >> "$output\_file"

done

echo "Files concatenated into $output\_file"

```

In this example, the program concatenates multiple input files into a single output file named "concatenated.txt" using the `cat` command. It iterates over the list of input files and appends the content of each file to the output file.

\*\*Example 3: Searching for a String in a File\*\*

```shell

#!/bin/bash

filename="sample.txt"

search\_string="keyword"

if grep -q "$search\_string" "$filename"; then

echo "String found in $filename"

else

echo "String not found in $filename"

fi

```

In this example, the program searches for a specific string ("keyword") in a file named "sample.txt" using the `grep` command. It checks the exit status of `grep` using the `-q` option and displays a message accordingly.

These examples demonstrate various file handling operations using shell scripting. You can modify them to suit your specific file handling requirements, such as file manipulation, text processing, data extraction, or report generation. Shell scripting provides a flexible and powerful approach to automate file-related tasks in the Linux environment.