```bash
1. #!/bin/bash
echo "string1:"
read str
echo "Reversed string: $(echo $str | rev )"
```

```bash
2. #!/bin/bash
echo "Enter the file name:"
read filename
echo "Enter the word to find:"
read word_to_find
echo "Enter the word to replace with:"
read word_to_replace

line_count=$(wc -l < "$filename")
word_count=$(wc -w < "$filename")
char_count=$(wc -m < "$filename")

word_occurrence=$(grep -oi "$word_to_find" "$filename" | wc -l)

new_filename="${filename}_modified"
sed "s/$word_to_find/$word_to_replace/g" "$filename" > "$new_filename"

echo "File: $filename"
echo "Number of lines: $line_count"
echo "Number of words: $word_count"
echo "Number of characters: $char_count"
echo "Occurrences of '$word_to_find': $word_occurrence"
echo "Created new file with replaced text: $new_filename"
```

```bash
3.  #!/bin/bash
```

```bash
websites=(
    "https://www.google.com"
    "https://www.github.com"
    "https://www.nonexistentwebsite.example.com"
)
for website in "${websites[@]}"; do
    if curl -s --head --fail "$website" > /dev/null; then
        echo "$website is reachable."
    else
        echo "$website is not reachable."
    fi
done
```

4.
```bash
#!/bin/bash
if [ -z "$1" ]; then
    echo "Usage: $0 <directory>"
    exit 1
fi
directory=$1
du -ah "$directory" | grep -v '/$' | sort -rh
```