solution: scripting tests and loops

1. Write a script that uses a for loop to count from 3 to 7.

**#!/bin/bash**

**for i in 3 4 5 6 7**

**do**

**echo Counting from 3 to 7, now at $i**

**done**

2. Write a script that uses a for loop to count from 1 to 17000.

**#!/bin/bash**

**for i in `seq 1 17000`**

**do**

**echo Counting from 1 to 17000, now at $i**

**done**

3. Write a script that uses a while loop to count from 3 to 7.

**#!/bin/bash**

**i=3**

**while [ $i -le 7[**

**do**

**echo Counting from 3 to 7, now at $i**

**let i=i+1**

**done**

then echo "There are 0 files ending in .txt"

else

let i=0

for file in \*.txt

do

let i++

done

echo "There are $i files ending in .txt"

fi

. Write a script that uses an until loop to count down from 8 to 4.

**#!/bin/bash**

**i=8**

**until [ $i -lt 4[**

**do**

**echo Counting down from 8 to 4, now at $i**

**let i=i-1**

**done**

5. Write a script that counts the number of files ending in .txt in the current directory.

**#!/bin/bash**

**let i=0**

**for file in \*.txt**

**do**

**let i++**

**done**

**echo "There are $i files ending in .txt"**

6. Wrap an if statement around the script so it is also correct when there are zero files

ending in .txt.

**#!/bin/bash**

**ls \*.txt > /dev/null 2>&1**

**if [ $? -ne 0 [**

**then echo "There are 0 files ending in .txt"**

**else**

**let i=0**

**for file in \*.txt**

**do**

**let i++**

**done**

**echo "There are $i files ending in .txt"**

**fi**