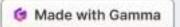


# **Shell Scripting for Common Tasks**

Explore the power of shell scripting! Learn how to count word occurrences, calculate factorials, and list files in a directory.



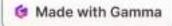
## **Word Occurrences: Count and Report**

#### **Script 1: Word Occurrences**

Example usage: word\_occurrences.sh input.txt

#### **Expected Output:**

word1: 5 occurrences, word2: 3 occurrences, ...



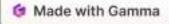
### **Factorial Calculation**

**Script 2: Factorial Calculation** 

Example usage: factorial.sh 5

**Expected Output:** 

Factorial of 5 is 120



## **List Files in Directory**

#### **Script 3: List Files in Directory**

Example usage: list\_files.sh /path/to/directory

#### **Expected Output:**

file1.txt

file2.jpg

...

## **Mastering Shell Scripting**

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#### **Efficiency**

Automate repetitive tasks, saving time and effort.



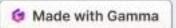
#### **Flexibility**

Write scripts that can be executed on different operating systems.



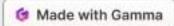
#### **Debugging**

Learn techniques to troubleshoot and fix errors in your scripts.



# **Scripting in Practice**





## **Become a Shell Scripting Expert**

#### **Online Resources**

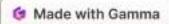
Explore tutorials, forums, and documentation for continuous learning.

## Practice, Practice, Practice

Sharpen your skills by working on real-world scripting projects.

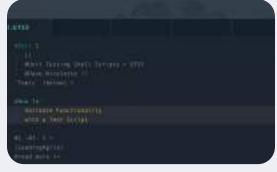
#### **Collaborate and Share**

Join communities to exchange ideas and showcase your scripts.



## **Take your Shell Scripting Further!**







#### **Creative Applications**

Use scripting to automate creative processes in graphic design, audio editing, and more.

#### **Enterprise Solutions**

Deploy scripts to manage systems and automate business processes.

#### **Security and Monitoring**

Implement scripts to enhance security measures and monitor system activities.

