

Shell Script Exercises

1. Write shell script that will add two numbers, which are supplied as command line argument, and if this two numbers are not given show error and its usage

```
#!/bin/bash
# sum to nos
if [ $# -ne 2 ]
then
    echo "Usage - $0 x y"
    echo "Where x and y are two nos for which I will print sum"
    exit 1
fi
echo "Sum of $1 and $2 is `expr $1 + $2`"
```

2. Write Script to find out biggest number from given three numbers. Numbers are supplies as command line argument. Print error if sufficient arguments are not supplied.

```
#!/bin/bash
# find out biggest number
if [ $# -ne 3 ]
then
    echo "$0: number1 number2 number3 are not given" >&2
    exit 1
fi

n1=$1
n2=$2
n3=$3
if [ $n1 -gt $n2 ] && [ $n1 -gt $n3 ]
then
    echo "$n1 is Biggest number"
elif [ $n2 -gt $n1 ] && [ $n2 -gt $n3 ]
then
    echo "$n2 is Biggest number"
elif [ $n3 -gt $n1 ] && [ $n3 -gt $n2 ]
then
    echo "$n3 is Biggest number"
elif [ $1 -eq $2 ] && [ $1 -eq $3 ] && [ $2 -eq $3 ]
then
    echo "All the three numbers are equal"
```

Shell Script Exercises With Solutions

Sultan Zavrak



Shell Script Exercises With Solutions:

POSIX Shell Scripting from Scratch Sultan Zavrak, *POSIX Shell Scripting from Scratch Write Once Run Everywhere* is the definitive guide for anyone who wants to master shell scripting from the ground up Unlike many resources that assume prior programming knowledge this book starts with the absolute basics opening your terminal for the first time and systematically builds your skills to professional level automation This isn't just another shell scripting book It's a complete learning system that transforms beginners into confident script developers Every concept is introduced with clear explanations practical examples and hands on exercises that reinforce learning The book focuses exclusively on POSIX compliant shell scripting so your scripts work seamlessly across Linux macOS BSD and any Unix like system true write once run everywhere capability Starting from zero you'll learn how to navigate the command line manipulate files and directories and write your first shell script As you progress you'll master variables user input conditional logic loops and functions The journey continues into advanced topics like regular expressions text transformation with sed and awk process management and error handling But this book goes beyond syntax You'll also learn professional practices debugging techniques performance optimization security considerations and how to write maintainable production ready scripts Real world projects throughout the book from building a backup system to creating a system monitoring dashboard ensure you can apply your skills immediately You'll especially benefit if you are A complete beginner with no programming experience who wants to automate tasks A system administrator seeking to standardize and improve scripting practices A developer who needs shell scripting for DevOps CI CD and deployment A student learning Unix Linux system administration Anyone who wants their scripts to work reliably across different Unix like systems By the end you'll have a solid portable toolkit for automating everyday tasks and building robust command line tools that run anywhere

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Introduction to Unix and Linux Lab Manual, Student Edition Catherine Creary, Lee M. Cottrell, 2002-12-16

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Wrappers RHCE Section chapters 14 to 25 covers shell scripting interface bonding and teaming IPv6 and routing configuration NTP firewalld Kerberos authentication kernel tuning resource utilization reporting network logging block storage sharing with iSCSI file sharing with NFS and Samba CIFS HTTP HTTPS web servers and virtual hosting Postfix mail SMTP DNS and MariaDB Each chapter lists major topics and relevant exam objectives in the beginning and ends with a summary followed by review questions answers and Do It Yourself challenge labs

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Teach Yourself UNIX Shell Programming in 14 Days Kamran Husain, 1994 Teach Yourself Shell Programming in 14 Days is a true beginning level guide to the Bourne Shell Everyone who works in UNIX uses one of its three shells This tutorial shows how to exploit the Bourne Shell to optimize their system increase productivity and work more efficiently

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