

# Shell Script Practice Session

## Task 1:

Write a shell script to count the number of vowels in a given string.

### Input:

A single string sss.

### Output:

Number of vowels (a, e, i, o, u) in sss.

### Example:

Input: hello world

Output: 3

## Task 2:

Write a shell script that takes a sentence as input and outputs the sentence with the words reversed.

### Input:

A single sentence s.

### Output:

The words in the sentence reversed, but the order of characters in each word remains the same.

### Example:

Input: I love shell scripting

Output: scripting shell love I

## Task 3:

Write a shell script to print numbers from 1 to nnn. For multiples of 3, print "Fizz", for multiples of 5 print "Buzz", and for numbers which are multiples of both 3 and 5, print "FizzBuzz".

### Input:

A single integer n.

### Output:

Print numbers from 1 to nnn, replacing them with "Fizz", "Buzz", or "FizzBuzz" as appropriate.

### Example:

Input: 15

Output:

1

2

Fizz

4

Buzz

Fizz

7

8

Fizz

Buzz

11

Fizz

13

14

FizzBuzz

#### **Task 4:**

Write a shell script that takes a list of integers as input and removes duplicates.

##### **Input:**

A list of space-separated integers lll.

##### **Output:**

The list with duplicates removed, in the order they first appear.

##### **Example:**

Input: 1 2 3 2 4 5 1

Output: 1 2 3 4 5

#### **Task 5:**

Write a shell script that takes two strings as input and prints the common characters between them.

##### **Input:**

Two strings s1 and s2.

**Output:**

A string with the common characters in both s1 and s2.

**Example:**

Input: **hello** and **world**

Output: **lo**