Basic Algorithm Scripting Notes

## Reverse a String

**https://www.freecodecamp.com/challenges/reverse-a-string**

**function** reverseString**(**str**)** **{**

**var** helloArray **=[];**

helloArray **=** str**.**split**(**""**);** //["h", "e", "l", "l", "o"]

helloArray**.**reverse**();** //now array is ["o", "l", "l", "e", "h"]

str **=** helloArray**.**join**(**""**);**

**return** str**;**

**}**

reverseString**(**"hello"**);**

## Factorialize a Number

<https://www.freecodecamp.com/challenges/factorialize-a-number>

**function** factorialize**(**num**)** **{**

**var** numvar **=** num**;**

**if** **(**num**===**0**){** //"factorialize(0) should return 1"

**return** 1**;** //If this is true, returned, and exists function.

**}**

**while** **(**num**>**1**){**

num**--;** /\*Decrement 1 from num in while loop.

Will occur as many times until num is reduced down to 1.

At that point it exits the while loop, as no longer >1. \*/

numvar **\*=** num**;**

/\*20 = 5 \* 4

60 = 20 \* 3

120 = 60 \* 2

Exit while loop because num !>1, return numvar

Returns: 120\*/

**}**

**return** numvar**;**

**}**

factorialize**(**5**);**

## Check for Palindromes

## Find the Longest Word in a String

## Title Case a Sentence

## Return Largest Numbers in Arrays

## Confirm the Ending

## Repeat a String Repeat a String

## Truncate a String

## Chunky Monkey

## Slasher Flick

## Mutations

## Falsy Bouncer

## Seek and Destroy

## Where Do I Belong

## Caesars Cipher