**COMP 3123 – Full Stack Development – Lab 1**

* JavaScript Refresher Exercises

**Developer Note:**

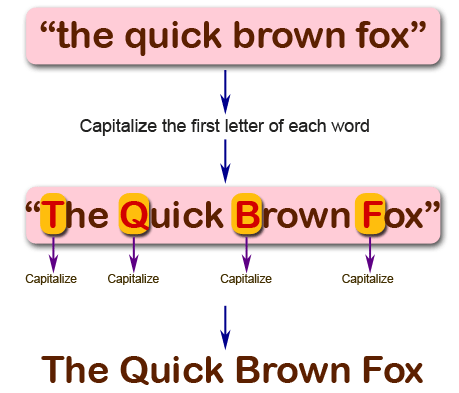
* Answer any 4 of the JavaScript exercises below
* Try to solve the problems without using search engines or stack overflow for the solutions.

A screenshot of a computer

Description automatically generated

**Exercise 1:**

***Write a JavaScript program to capitalize the first letter of each word of a given string.***



**A computer screen with text on it

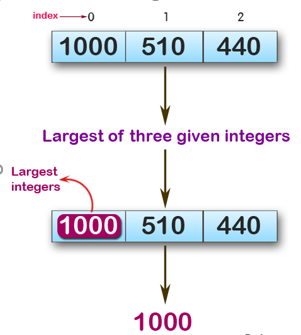
Description automatically generated**

A screenshot of a computer

Description automatically generated

**Exercise 2:**

***Write a JavaScript program to find the largest of three given integers.***



console.log(max (1,0,1));

console.log(max (0,-10,-20));

console.log(max (1000,510,440));

**Sample Output:**

1  
0  
100

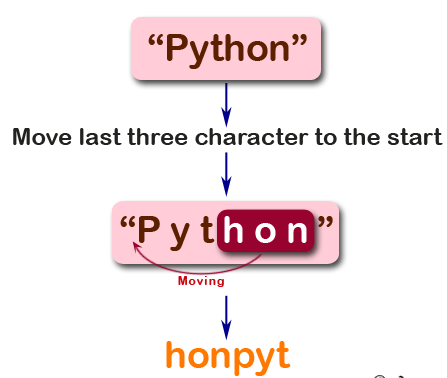
**A computer screen with colorful text

Description automatically generated**A screenshot of a computer

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**Exercise 3:**

*Write a JavaScript program to move last three character to the start of a given string. The string length must be greater or equal to three****.***



console.log(right("Python"));

console.log(right("JavaScript"));

console.log(right("Hi"));

**Sample Output:**

honPyt  
iptJavaScr  
Hi

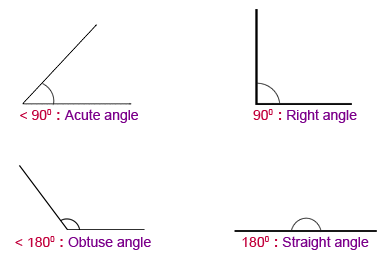
A screen shot of a computer code

Description automatically generated

**Exercise 4:**

*Write a JavaScript program to find the types of a given angle.*

Types of angles:  
• Acute angle: An angle between 0 and 90 degrees.  
• Right angle: An 90 degree angle.  
• Obtuse angle: An angle between 90 and 180 degrees.  
• Straight angle: A 180 degree angle.



console.log(angle\_Type(47))

console.log(angle\_Type(90))

console.log(angle\_Type(145))

console.log(angle\_Type(180))

**Sample Output:**

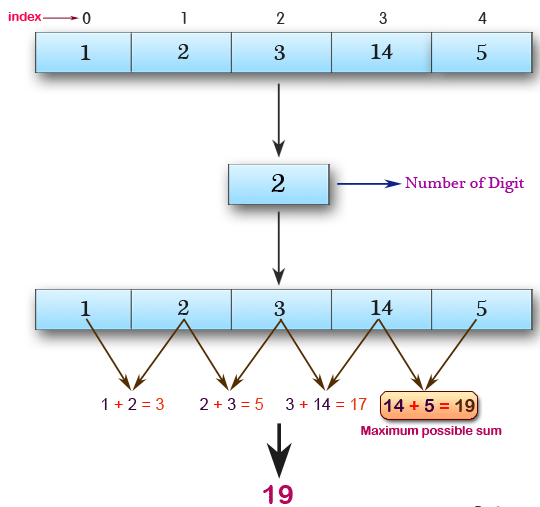
Acute angle  
Right angle  
Obtuse angle  
Straight angle

A screen shot of a computer program

Description automatically generated

**Exercise 5:**

*Write a JavaScript program to find the maximum possible sum of some of its k consecutive numbers (numbers that follow each other in order.) of a given array of positive integers.*



console.log(array\_max\_sum([1, 2, 3, 14, 5], 2))

console.log(array\_max\_sum([2, 3, 5, 1, 6], 3))

console.log(array\_max\_sum([9, 3, 5, 1, 7], 2))

**Sample Output:**

19  
12  
12