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**LAB EXERCISE 1**

**Exercise 1:**

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

A diagram of a fox

Description automatically generated

**Code:**

function capitalizeFirstLetterofEachWord(string) {

return string

.split(" ")

.map((word) => word.charAt(0).toUpperCase() + word.slice(1))

.join(" ");

}

const inputString ="the quick brown fox"

const capitalizedString =capitalizeFirstLetterofEachWord(inputString);

console.log(capitalizedString);

**Output:**

A black background with white text

Description automatically generated

**Exercise 2:**

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

A diagram of numbers and numbers

Description automatically generated

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

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

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

Code:

function max(a, b, c) {

    return a > b ? (a > c ? a : c) : b > c ? b : c;

}

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

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

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

**Output:**

**A black screen with white text

Description automatically generated**

**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****.***

A diagram of a programming language

Description automatically generated

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

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

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

**Code:**

function right(str) {

  if (str.length >= 3) {

    let stringlast = str.slice(-3);

    let stringfirst = str.slice(0, -3);

    return stringlast + stringfirst;

  } else {

    return "String length must be at least 3!";

  }

}

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

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

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

**Output:** **A black screen with white text

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.

A different angles of angles

Description automatically generated

console.log(angle\_Type(47))

console.log(angle\_Type(90))

console.log(angle\_Type(145))

console.log(angle\_Type(180))

**Code:**

function angle\_Type(angle) {

  if (angle > 0 && angle < 90) {

    return "Acute angle";

  } else if (angle === 90) {

    return "Right angle";

  } else if (angle > 90 && angle < 180) {

    return "Obtuse angle";

  } else if (angle === 180) {

    return "Straight angle";

  } else {

    return "Angle > 180";

  }

}

console.log(angle\_Type(47))

console.log(angle\_Type(90))

console.log(angle\_Type(145))

console.log(angle\_Type(180))

**Output:**

**A black screen with white text

Description automatically generated**

**COMPLETE OUTPUT:**

**A computer screen shot of a black screen

Description automatically generated**