Functions

**Exercise 1:**

If the time is less than 20:00, create a "Good day" greeting, otherwise "Good evening":

**Exercise 2:**

For example, the following script compares two numbers a and b, returns the corresponding message if a is greater than, less than, or equal to b.

**Exercise 3:**

Define and call a function with multiple parameters and display a result using different values for the parameters. Use first name and last name

**Exercise 4**: Build a grade calculator

As an example of multiple else if statements, we can create a grading app that will output a letter grade based on a score out of 100.

The requirements of this app are as follows:

* Grade of 90 and above is an A
* Grade of 80 to 89 is a B
* Grade of 70 to 79 is a C
* Grade of 60 to 69 is a D
* Grade of 59 or below is an F

Below we will create a simple set of if, else, and else if statements, and test them against a given grade.

**Solution 1**

let time = new Date().getHours();

if (time < 20) {

  greeting = "Good day";

} else {

  greeting = "Good evening";

}

**Solution 2:**

let a = 10,

    b = 20;

if (a > b) {

    console.log('a is greater than b');

} else if (a < b) {

    console.log('a is less than b');

} else {

    console.log('a is equal to b');

}

**Solution 3:**

function ShowMessage(firstName, lastName) {

    alert("Hello " + firstName + " " + lastName);

}

ShowMessage("Steve", "Jobs");

ShowMessage("Bill", "Gates");

ShowMessage(100, 200);

**Solution 4:**

// Set the current grade of the student

**let** grade = 87;

// Check if grade is an A, B, C, D, or F

**if** (grade >= 90) {

  console.log("A");

} **else** **if** (grade >= 80) {

  console.log("B");

} **else** **if** (grade >= 70) {

  console.log("C");

} **else** **if** (grade >= 60) {

  console.log("D");

} **else** {

  console.log("F");

}