**Ex 9:**

Write a program that will display in the HTML/JS console, in ASCENDING order the numbers between 500 and 700. Your output should be:

501

502

….

698

699

**Ex 10:**

Write a program that will display in the HTML/JS console, in DESCENDING order the numbers between 500 and 700. Your output should be:

699

698

….

502

501

**Ex 11:**

Write a program that will display in the HTML/JS console, the sum of all numbers between 500 and 700:

Your output should be:

The sum of numbers bigger than 500 and smaller than 700 is 119400

**Ex 12:**

In this exercise you are required to ask the user for two integer numbers.

Use the prompt() function:

var mString = prompt("Please enter a value for m ");

var nString = prompt("Please enter a value for n ");

The answers that the user gave, mString and nString are string variables (they are NOT numbers yet). In order to covert them to integers you will have to use the Number() function:

var m = Number(mString);

var n = Number(nString);

Given the above lines of code (reading from a user and converting what he/she entered, into numbers), we would like to display to the console the values between m and n. Please consider three possible cases:

* m<n
* m>n
* m = n

Your program should display all the values BETWEEN m and n (we do not know which is the bigger number that the user entered – the first or the second) OR a message saying “The numbers are equal”.

Example run:

Please enter a value for m 22

Please enter a value for n 25

23

24

Example run:

Please enter a value for m 25

Please enter a value for n 22

23

24

Example run:

Please enter a value for m 10

Please enter a value for n 10

The numbers are equal

**Ex 13:**

The same way as in the previous exercise, read two numbers from the user.

If the second number is double the first number entered by the user, write the message “You know how to double” in the console. In all other cases, write the message “You know nothing” in the console!

Example run:

Please enter the first value 10

Please enter the second value 10

You know nothing

Example run:

Please enter the first value 20

Please enter the second value 40

You know how to double

**Ex 14:**

Ask the user to enter a numerical value x. Ask him/her to compute x\*x+1 and enter the result. Check if he/she entered the correct result. If the answer is correct, display “Yaaay – congrats” in the console. If the answer is wrong, display “You are useless” in the console.

Example run:

Please enter a value for x 5

Please compute x\*x +1 27

You are useless.

Example run:

Please enter a value for x 10

Please compute x\*x +1 101

Yaaay - congrats