ITP JS

Week 1

**Practice Questions**

1. Look at the following code:

var t1 = 'Hello World';

var t2;

console.log(t1);

console.log(t2);

console.log(t3);

What will be the output of the program? Explain the output

1. Look at the following code:

var num1 = 10;

var num2 = '20';

console.log(num1 + num2);

The output of the program is NOT 30, why so and why did the output got different? Find a way to output 30 without modifying the first two lines or adding more lines of code. (not taught directly in class)

1. Write a program that takes 3 names as input (prompt() function) and outputs the highest name according to lexicographical order. For example, if name1 = “samyo” and name2 = “abir”, then the final output should be “samyo”, because it is higher in lexicographical order (the letter “s” comes after “a”). **Use of ternary operator is a must for this program.**

*HINT: It’s far easier than you think 😉*

1. Write a program that takes a student’s obtained mark in a particular subject and outputs the grade corresponding to the mark. If the student gets 79.5, it should be rounded to 80 and shown as A+ (considering >=80 corresponds to A+)

*Hint: Look for how a number can be rounded in JavaScript*

1. Design an employee qualification system. The job of the system is to first take the employee’s personal information, these are
   1. Name
   2. Age
   3. Skills:
      1. Soft Skills (array)
      2. Technical Skills (array)
   4. Location

For an employee to qualify for the job, he needs to meet all the requirements mentioned below:

* Age must be greater than or equal to 30
* Number of technical skills should be greater than soft skills
* The person must be living in either Texas or Florida

If the person qualifies, your program should output “(name) is qualified for the job)

**Demonstration of Object is a must here, avoid using variables unless absolutely required.**

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