**MODULE: 1 (INTRODUCTION AND CODE QUALITY)**

1.What will be the result for these expressions?

1. 5 > 4

2. "apple" > "pineapple"

3. "2" > "12"

4. undefined == null

5. undefined === null

6. null == "\n0\n"

7. null === +"\n0\n"

**′ 5 > 4 → true**

**"apple" > "pineapple" → false**

**"2" > "12" → true**

**undefined == null → true**

**undefined === null → false null == "\n0\n" → false**

**null === +"\n0\n" → false**

2.Will alert be shown? if ("0") { alert( 'Hello'); }

**′ Yes, it will. Any string except an empty one (and "0" is not empty) becomes true in the logical context.**

3.What is the code below going to output?

**alert( null || 2 || undefined ) ′ The answer is 2, that’s the first truthy value.**

4.The following function returns true if the parameter age is greater than 18. Otherwise it asks for a confirmation and returns its result:

function checkAge(age)

{ if (age> 18) { return true; }

else { // ...return confirm (‘did parents allow you?'); } }

**′ function checkAge(age) { return (age > 18) ? true : confirm('Did parents allow you?'); }**

**function checkAge(age) { return (age > 18) || confirm('Did parents allow you?'); }**

5. Replace Function Expressions with arrow functions in the code below:

Function ask(question, yes, no) {

if (confirm(question))yes();

else no(); }

ask("Do you agree?", function() { alert("You agreed."); },

function() { alert("You canceled the execution."); } } ′

function ask(question, yes, no) {

if (confirm(question)) yes();

else no(); }

**ask( "Do you agree?", () => alert("You agreed."), () => alert("You canceled the execution.")**