MORNING ASSIGNMENT

1. How do you declare a variable using let and assign it a string?

let name = "Gagana";

2. How do you access an element by its id using JavaScript?

document.getElementById("name");

3. How do you access elements by class name?

document.getElementByClassName("name");

4. What’s the difference between getElementById() and querySelector()?

* getElementById("id") returns a single element with that specific ID.
* querySelector("selector") returns the **first element** that matches a CSS selector

5. How do you change the text inside an element with a given id?

document.getElementById("myId").textContent = "New Text";

6. Write JavaScript to change the background color of an element with a specific class.

document.querySelector(".myClass").style.backgroundColor = "lightblue";

7. How do you add a new class to an HTML element using JavaScript?

document.getElementById("myId").classList.add("newClass");

8. How can you toggle a class on an element?

document.getElementById("myId").classList.toggle("active");

9. What is the output of 5 == '5' and why?

true, because == allows type conversion ,number and string are converted to same type.

10. What is the difference between === and ==?

=== checks for both **value and type**.

== checks for **value only,** with type conversion.

11. Use an arithmetic operator to calculate the average of three numbers.

let avg = (a + b + c) / 3;

12. What is the output of 10 % 3?

A: 1

13. What will be the result of 4 + true?

A: 5

14. Use a ternary operator to check if a number is positive.

let result = num > 0 ? "Positive" : "Not Positive";

15. What does !== mean?

A: Not equal .

16. What will typeof null return?

A: object

17. Create an array of three student names.

let students = ["Gia", "Sia", "Ria"];

18. How do you access the last item in an array?

let last = students[students.length - 1];

19. Add an item to the start of an array using JavaScript.

students.unshift("David");

20. Remove the last item from an array.

students.pop();