DAY 17: MORNING ASSESSMENT

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

let name = "Shreya";

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

document.getElementById("myId");

3. How do you access elements by class name?

document.getElementsByClassName("myClass");

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

getElementById("id"): Only works for IDs.

querySelector("#id"): More versatile, works with classes (.class), tags (div), or IDs (#id).

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

document.getElementById("myId").innerText = "New text";

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

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

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("highlight");

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

true ,because == checks only value, not type.

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

===: Strict equality (checks value and type).

==: Loose equality (checks only value )

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?

1 is the remainder.

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

5 is the answer.

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

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

15. What does !== mean?

Not equal and not same type.

16. What will typeof null return?

"object"

17. Create an array of three student names.

let students = ["Alice", "Bob", "Charlie"];

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

students[students.length - 1];

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

students.unshift("Zara");

20. Remove the last item from an array.

students.pop(); 🡪 this is used for removing last element in a array