EVENING ASSIGNMENT

1. Use for loop to print each item in an array.

for (let i = 0; i < students.length; i++) {

console.log(students[i]);

}

2. What does the array.length property return?

The **number of items** in the array.

3. Use forEach to iterate over an array and print all items.

students.forEach(student => console.log(student));

4. How do you check if a variable is an array?

Array.isArray(students);

5. Write an arrow function to multiply two numbers.

const multiply = (a, b) => a \* b;

6. Convert a traditional function to an arrow function.

function add(a, b) {

return a + b;

}

const add = (a, b) => a + b;

7. Write an arrow function that returns the square of a number.

const square = x => x \* x;

8. Create an arrow function that returns a greeting message.

const greet = name => `Hello, ${name}!`;

9. Use an arrow function inside map() to double each number in an array.

let nums = [1, 2, 3];

let doubled = nums.map(n => n \* 2);

10. What is the difference in this context between arrow and regular functions?

Arrow functions **don’t have their own** this,they inherit from the parent scope.

Regular functions have their **own** this, depending on how they’re called.

11. How do you add a click event to a button in JavaScript?

document.getElementById("myBtn").addEventListener("click", () => {

alert("Button clicked!");

});

12. Write JavaScript that changes the text of a paragraph when a button is clicked.

document.getElementById("myBtn").addEventListener("click", () => {

document.getElementById("myPara").textContent = "Text changed!";

});

13. How do you add a mouseover event to an element?

document.getElementById("myDiv").addEventListener("mouseover", () => {

console.log("Hovered!");

});

14. Write an event handler that logs the value of an input field when typing.

document.getElementById("myInput").addEventListener("input", (e) => {

console.log(e.target.value);

});

15. What’s the purpose of preventDefault() in event handling?

Prevents the default browser behavior

16. How do you get the value of an input field using JavaScript?

let value = document.getElementById("myInput").value;

17. Write JavaScript to validate if a form field is not empty.

if (document.getElementById("myInput").value === "") {

alert("Field cannot be empty!");

}

18. How do you handle form submission using JavaScript?

document.getElementById("myForm").addEventListener("submit", (e) => {

e.preventDefault();

// Handle form logic

});

19. How do you stop a form from refreshing the page when submitted?

Use e.preventDefault() inside the submit event.

20. How can you reset a form using Javascript?

document.getElementById("myForm").reset();