**Pop Quiz: JavaScript Basics Warm-Up**

**Instructions:**

* Read each question carefully.
* Write the JavaScript code to solve each problem.
* No external libraries—just **pure JavaScript**.

**1. Print Numbers 1 to 10 Using a For Loop**

Write a for loop that prints numbers from **1 to 10** in the console.

**2. Create an Array and Access an Element**

* Declare an array named fruits containing "Apple", "Banana", and "Cherry".
* Print the **second element** ("Banana") in the console.

**3. Use a For...Of Loop**

Given the array:

let colors = ["Red", "Green", "Blue"];

Write a **for...of** loop to print each color.

**4. Write a Function to Multiply Two Numbers**

Create a function named multiply that takes two numbers as arguments and returns their product.

**5. Use a Switch Statement for Grading**

Write a **switch** statement that takes a variable grade (which contains a letter grade: "A", "B", "C", "D", or "F") and prints a message:

* "Excellent" for "A",
* "Good" for "B",
* "Average" for "C",
* "Needs Improvement" for "D",
* "Fail" for "F".

**6. Find the Sum of an Array Using a Loop**

Given the array:

let numbers = [3, 7, 2, 9, 5];

Write a loop that calculates and prints the sum of all elements.

**7. Demonstrate the Use of .push() and .pop()**

* Create an empty array called students.
* Add "John", "Mary", and "Alice" to it using .push().
* Remove the last student using .pop().
* Print the final array.

**8. Use an If-Else Statement to Check Even or Odd**

Write a program that checks whether a given number stored in a variable num is **even** or **odd**, and prints the result.

**9. Create an Object and Access a Property**

* Declare an object named car with properties: brand: "Toyota", model: "Corolla", and year: 2022.
* Print the **model** of the car.

**10. Demonstrate += and -= Operators**

Start with a variable x = 10, then:

* Use += 5 to increase its value.
* Use -= 3 to decrease its value.
* Print the final value of x.

**End of Quiz**