

Problem 1: JavaScript Data Types and Functions

What This Problems Test:

1. **Problem 1:** Tests understanding of:
 - Data types (`typeof` operator).
 - Working with arrays (`for` loops or `forEach`).
 - Objects and dynamic key-value management.

Write a JavaScript function called `processData` that accepts an array of mixed data types (e.g., numbers, strings, booleans). The function should:

1. Count how many items belong to each data type (e.g., `number` , `string` , `boolean` , etc.).
2. Return an object where the keys are the data types and the values are the counts.

Example Input:

```
const inputArray = [42, "hello", true, 99, "world", false];
```

Expected Output:

```
{  
  number: 2,  
  string: 2,  
  boolean: 2  
}
```