1. Multiply Two Numbers Without Using * Operator

Question: Multiply two numbers a and b without using the * operator.

```
javascript
CopyEdit
function multiply(a, b) {
   // Your code here
}
console.log(multiply(3, 4)); // Output: 12
console.log(multiply(-2, 6)); // Output: -12
```

Concepts: Loops, operators, recursion.

2. Find the Smallest of Three Numbers

Question: Write a function to find the smallest of three numbers using conditional statements.

```
javascript
CopyEdit
function findSmallest(a, b, c) {
   // Your code here
}
console.log(findSmallest(3, 7, 5)); // Output: 3
console.log(findSmallest(10, -1, 0)); // Output: -1
```

Concepts: Conditional statements (if-else).

3. Reverse a String Without Using Built-in Methods

Question: Reverse a given string using a loop instead of built-in methods.

javascript CopyEdit

```
function reverseString(str) {
   // Your code here
}

console.log(reverseString("hello")); // Output: "olleh"
console.log(reverseString("JavaScript")); // Output: "tpircSavaJ"
```

Concepts: Loops, strings, arrays.

4. Count the Occurrences of Each Character in a String

Question: Write a function that takes a string and returns an object with the count of each character.

```
javascript
CopyEdit
function charCount(str) {
   // Your code here
}

console.log(charCount("hello")); // Output: { h: 1, e: 1, 1: 2, o: 1 }
console.log(charCount("banana")); // Output: { b: 1, a: 3, n: 2 }
```

Concepts: Loops, objects, strings.

5. Find the Intersection of Two Arrays

Question: Write a function to find the common elements between two arrays.

```
javascript
CopyEdit
function arrayIntersection(arr1, arr2) {
   // Your code here
}
console.log(arrayIntersection([1, 2, 3, 4], [3, 4, 5, 6])); // Output:
[3, 4]
```

```
console.log(arrayIntersection([10, 20, 30], [15, 25, 30])); // Output:
[30]
```

Concepts: Arrays, loops, sets.