1.FizzBuzz

//code

function fizzBuzz() {

for (let i = 1; i <= 100; i++) {

if (i % 15 === 0) {

console.log("FizzBuzz");

} else if (i % 3 === 0) {

console.log("Fizz");

} else if (i % 5 === 0) {

console.log("Buzz");

} else {

console.log(i);

}

}

}

2.Simple Arithmetic Expression

//code

function evaluateExpression(expr) {

return new Function('return ' + expr)();

}

3.Flatten Nested Array

//code

function flattenArray(arr) {

return arr.flat(Infinity);

}

4.Anagram Check

//code

function areAnagrams(str1, str2) {

const normalize = str => str.replace(/[^\w]/g, '').toLowerCase().split('').sort().join('');

return normalize(str1) === normalize(str2);

}

5.Remove Duplicates

//code

function removeDuplicates(arr) {

return [...new Set(arr)];

}

6.Capitalize Words

//code

function capitalizeWords(str) {

return str.replace(/\b\w/g, char => char.toUpperCase());

}

7.Fibonacci Sequence

/code

function fibonacci(n) {

let sequence = [0, 1];

for (let i = 2; i < n; i++) {

sequence[i] = sequence[i - 1] + sequence[i - 2];

}

return sequence.slice(0, n);

}

8.HashMap Implementation

//code

class HashMap {

constructor() {

this.map = {};

}

put(key, value) {

this.map[key] = value;

}

get(key) {

return this.map[key];

}

remove(key) {

delete this.map[key];

}

}

9.Filter Even Numbers

//code

function filterEvenNumbers(arr) {

return arr.filter(num => num % 2 !== 0);

}

10.Title Case Conversion

//code

function toTitleCase(str) {

return str.replace(/\b\w/g, char => char.toUpperCase());

}