15 Basic JavaScript Coding Questions with Answers

1. Reverse a string

Question: Write a function that reverses a string.

Answer:

```
function reverseString(str) {

  return str.split("").reverse().join("");

}
```

2. Check for Palindrome

Question: Check if a string is a palindrome.

Answer:

```
function isPalindrome(str) {

  return str === str.split("").reverse().join("");

}
```

3. Factorial of a number

Question: Find the factorial of a number.

Answer:

```
function factorial(n) {

  if (n === 0) return 1;

  return n * factorial(n - 1);

}
```

4. Find the largest number in an array

Answer:

```
function findLargest(arr) {

  return Math.max(...arr);

}
```

5. Count vowels in a string

Answer:

```
function countVowels(str) {

  return str.match(/[aeiou]/gi)?.length || 0;

}
```

6. Sum of all numbers in an array

Answer:

```
function sumArray(arr) {

  return arr.reduce((a, b) => a + b, 0);

}
```

7. Fibonacci Series up to N terms

Answer:

```
function fibonacci(n) {

  let seq = [0, 1];

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

    seq.push(seq[i - 1] + seq[i - 2]);

  }

  return seq.slice(0, n);

}
```

8. Check Prime Number

Answer:

```
function isPrime(n) {
  if (n < 2) return false;
  for (let i = 2; i <= Math.sqrt(n); i++) {
    if (n % i === 0) return false;
  }
  return true;
}
```

9. Find duplicate values in array

Answer:

```
function findDuplicates(arr) {
  let seen = new Set();
  let duplicates = new Set();
  for (let val of arr) {
    if (seen.has(val)) duplicates.add(val);
    seen.add(val);
  }
  return [...duplicates];
}
```

10. Find longest word in a sentence

Answer:

```
function longestWord(str) {
  return str.split(" ").reduce((a, b) => (a.length > b.length ? a : b));
}
```

11. Remove duplicates from array

Answer:

```
function removeDuplicates(arr) {

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

}
```

12. Check if number is even or odd

Answer:

```
function isEven(n) {

  return n % 2 === 0 ? "Even" : "Odd";

}
```

13. Convert Celsius to Fahrenheit

Answer:

```
function toFahrenheit(celsius) {

  return (celsius * 9) / 5 + 32;

}
```

14. Find index of an element in array

Answer:

```
function findIndex(arr, val) {

  return arr.indexOf(val);

}
```

15. Capitalize first letter of each word

Answer:

```
function capitalizeWords(str) {
```

```
  return str
    .split(" ")
    .map(word => word.charAt(0).toUpperCase() + word.slice(1))
    .join(" ");
}
```