

1. Sum of Two Numbers (JS)

```
function sum(a, b) {  
  return a + b;  
}  
console.log(sum(5, 3)); // 8
```

2. Check Even or Odd (JS)

```
function isEven(num) {  
  return num % 2 === 0;  
}  
console.log(isEven(4)); // true
```

3. Simple Loop (JS)

```
for (let i = 1; i <= 5; i++) {  
  console.log(i);  
}
```

4. Array Sum (JS)

```
function arraySum(arr) {  
  let total = 0;  
  for (let num of arr) {  
    total += num;  
  }  
  return total;  
}  
console.log(arraySum([1, 2, 3])); // 6
```

5. Factorial (JS)

```
function factorial(n) {  
  let fact = 1;  
  for (let i = 1; i <= n; i++) {  
    fact *= i;  
  }  
  return fact;  
}  
console.log(factorial(5)); // 120
```

6. Palindrome Checker (JS)

```
function isPalindrome(str) {  
  return str === str.split('').reverse().join('');  
}  
console.log(isPalindrome("racecar")); // true
```

7. React Counter Button

```
import { useState } from 'react';
```

```
function Counter() {
```

```

const [count, setCount] = useState(0);

return (
  <div>
    <p>{count}</p>
    <button onClick={() => setCount(count + 1)}>Add</button>
  </div>
);
}

export default Counter;

```

8. Reverse a String (JS)

```

function reverseString(str) {
  return str.split('').reverse().join('');
}
console.log(reverseString("hello")); // "olleh"

```

9. Simple Fetch API Call (React)

```

import { useEffect, useState } from 'react';

function FetchData() {
  const [data, setData] = useState(null);

  useEffect(() => {
    fetch('https://api.example.com/data')
      .then(res => res.json())
      .then(json => setData(json));
  }, []);

  return <div>{JSON.stringify(data)}</div>;
}

export default FetchData;

```

10. Basic PHP Function

```

<?php
function multiply($a, $b) {
  return $a * $b;
}
echo multiply(4, 5); // 20
?>

```