

## JavaScript Function Examples

// Function declaration

```
function sum(...args) {  
    let sum = 0;  
    for (let arg of args) sum += arg;  
    return sum;  
}
```

```
let x = sum(4, 9, 16, 25, 29, 100, 66, 77);  
console.log(x);
```

// Arrow function

```
const greet = (name) => {  
    return `Hello, ${name}!`;  
};
```

```
console.log(greet("vinayak"));
```

// Default parameters

```
function okk(name = "Guest", greeting = "Hello") {  
    return `${greeting}, ${name}!`;  
}
```

```
console.log(okk());
```

```
console.log(okk("vinayak"));
```

// Destructuring Parameters

```
function yes({ name = "Guest", greeting = "Hello" } = {}) {  
    return `${greeting}, ${name}!`;  
}  
  
console.log(yes());  
  
console.log(yes({ name: "vinayak" }));  
  
console.log(yes({ name: "radhe", greeting: "radhe" }));
```

// Function Naming Conventions

```
function sendEmail(recipient, subject, body) {  
  
}  
  
function calculateInterest(principal, rate, time) {  
  
}
```

// Pure function

```
function add(a, b) {  
    return a + b;  
}  
  
console.log(add(2, 3));
```