

# JavaScript Class - Week 1, Day 1

## Topics Covered:

- Function Declaration
- Function Expression
- Arrow Functions
- Parameters & Return Values

## Code Examples:

// Function Declaration

```
function greet(name) {  
  return `Hello, ${name}`;  
}
```

// Function Expression

```
const square = function(num) {  
  return num * num;  
};
```

// Arrow Function

```
const multiply = (a, b) => a * b;
```

```
console.log(greet("Aaduu")); // Hello, Aaduu
```

```
console.log(square(4));    // 16
```

```
console.log(multiply(3, 5)); // 15
```

## Practice Tasks:

1. Create a function `isEven(number)` that returns true if the number is even.
2. Create an arrow function that returns the average of two numbers.

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3. Write a `greetUser(name)` function that returns a personalized greeting.

Example:

Input: `greetUser("Aditya")`

Output: "Good to see you, Aditya!"

### Next Class Preview (Day 2):

- Callbacks and Higher-Order Functions
- `setTimeout` and `setInterval`
- Practical use-cases of async behavior