

## Arrow Functions in JavaScript (ES6+)

### Arrow Functions Kya Hote Hain?

Arrow Functions JavaScript ES6 ka ek Short, Clean aur Modern tareeqa hai functions likhne ka.

Aam Function:

```
function add(a, b) {  
  return a + b;  
}
```

Arrow Function:

```
const add = (a, b) => a + b;
```

Dono ek hi kaam karte hain, bas likhne ka andaaz badla hai.

Syntax:

```
const functionName = (parameters) => {  
  // code  
};
```

Misal:

```
const greet = () => {  
  console.log("Assalam o Alaikum!");  
};  
greet();
```

Implicit Return:

Agar function ka sirf ek statement ho:

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

this ke sath Arrow Function:

```
function Person() {  
  this.name = "Ali";  
  setTimeout(() => {  
    console.log("Hello " + this.name);  
  }, 1000);  
}  
new Person();
```

Kahan Na Lagayen?

- Jab 'this' ka apna alag context chahiye
- Event listeners mein

Summary:

Feature	Traditional Function	Arrow Function
---------	----------------------	----------------

Syntax	Long	Short
this binding	Own	Parent context
arguments object	Available	Not available
Suitable for methods?	Yes	Not always

Watermark: Muhmnnad Ali