■ Types of Functions in JavaScript

1■■ **Function Declaration (Normal Function)**

- Also called named function

- Can be called before it is defined (hoisting)

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

2■■ **Function Expression**

- Function stored inside a variable

- Cannot be called before it is defined

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

3■■ **Arrow Function (ES6)**

- Short syntax

- Does NOT have its own this

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

4■■ **Anonymous Function**

- Function without a name

- Mostly used in callbacks

```
setTimeout(function() {
console.log("Hello");
}, 1000)
```

5■■ **Callback Function**

```
function greet(cb) {
cb();
}
greet(() => console.log("Hi!"));
```

6■■ **IIFE (Immediately Invoked Function Expression)**

```
(function() {
console.log("I run instantly!");
})();
```

7■■ **Async Function**

```
async function fetchData() {
return "Done!";
}
```