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What Happens When You Use this in a Function?

1. With new keyword:

```
function Person(name) {
  this.name = name;
}

const p = new Person("Darshan");
console.log(p.name); // "Darshan"
```

✓ What happens:

- A new object is created.
- this points to that new object.
- Properties/methods defined using this are attached to that object.
- That object is returned implicitly.

2. Without new keyword:

- this refers to the **global object** (window in browsers or global in Node.js) in **non-strict mode**.
- In **strict mode**, this becomes undefined, and it throws an error.
- No object is returned, and properties are accidentally attached to the global scope.

Summary Table

Feature	With new	Without new
this refers to	The new object created	Global object or undefined
Returns	The new object	undefined (unless you return manually)
Use case	Object instantiation	Regular function call
Error-prone	No (when constructor is intended)	Yes (e.g., if using this for object setup)
Good practice?	✓ Yes	X No (unless you're not using this)

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© Example to See the Difference:

```
function Car() {
  this.make = "Toyota";
  console.log(this);
}

Car();  // Logs: window or global object (unsafe)
new Car();  // Logs: newly created Car object (safe)
```

✓ When to Use new?

Use new **only** when the function is intended to be a **constructor** (like a blueprint for an object).