**What is a JavaScript Object?**

A **JavaScript object** is a collection of **key-value pairs** that group related **data (properties)** and **functions (methods)**.

Think of it like a **real-world object** — for example, a **book**, a **car**, or a **person**. Each object has:

* **Properties** (what it has)
* **Methods** (what it can do)

**👇 Example (Explained):**

let book = {

title: "JavaScript for Beginners", // Property

author: "Jane Doe", // Property

price: 499, // Property

inStock: true, // Property

displayDetails: function () { // Method

console.log(`${this.title} by ${this.author} - ₹${this.price}`);

},

applyDiscount: function (discountPercent) { // Method

this.price = this.price - (this.price \* discountPercent) / 100;

}

};

**📘 What’s going on here?**

* book is an **object**.
* It contains **properties**: title, author, price, inStock.
* It has **methods** (functions inside the object): displayDetails() and applyDiscount().

**🧠 Why use objects?**

They help:

* Group data logically (e.g., details of a book, car, student, etc.)
* Keep code clean and organized
* Allow real-world modeling in code

**💡 In Simple Words:**

"JavaScript objects are just like real things — they have *details* and they can *do things*."