Internship Report

Company: ProSensia
Name: Hamza Rafique
Week: 5
Day: 2
Topic: Objects & Object Methods in JavaScript

📌 **Objectives Covered:**

- Understand how objects work in JavaScript.

- Create and use methods within objects.

- Practice accessing, modifying, and deleting object properties.

📖 **What I Learned:**

1. JavaScript Objects:

- JavaScript objects store data in **key-value** pairs.

- Example:

js

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```js
let person = {
  name: "Ali",
  age: 25,
  city: "Lahore"
};
```

2. Accessing Object Data:

- Dot notation: person.name

- Bracket notation: person["age"]

3. Updating and Adding Properties:

js

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person.age = 26;

person.country = "Pakistan";

4. Deleting Properties:

js

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delete person.city;

5. Object Methods:

- Functions defined inside an object.

- Example:

js

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```js
let car = {
  brand: "Toyota",
  start: function() {
    return "Car is starting";
  }
};
console.log(car.start());
```

6. Using this Keyword:

- Refers to the current object.

js

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```js
let student = {
  name: "Sara",
```

```
  greet: function() {

    return "Hello, " + this.name;

  }

};
```

✅ **Tasks Completed:**

- Practiced creating JavaScript objects.

- Added and used custom object methods.

- Used this to refer to current object context.

📝 **Conclusion:**

During today's internship at **ProSensia**, I learned about JavaScript Objects and Object Methods. It helped me understand how to structure data with behavior and how methods interact with object data using this. This is a fundamental step toward mastering JavaScript for real-world applications.