

# Day 9 Assignment: Basic Movie Ticket System

## Assignment 1: Create Movie Objects (Like Filling a Form)

**Task:**

1. Create a movie object with:
  - Title
  - Time
  - Seats available

```
// movies.js
const movie1 = {
  title: "Kalki",
  time: "10AM",
  seats: 60
};

const movie2 = {
  title: "Pushpa 2",
  time: "3PM",
  seats: 60
};
```

**Why?**

- Objects help group related data (like a movie's details).

## Assignment 2: Display Movies (Like a Movie Poster)

**Task:**

1. Show movies on a webpage using JavaScript.
2. Create this HTML:

```
<!-- index.html -->
<!DOCTYPE html>
<html>
<body>
  <div id="movies"></div>
  <script src="movies.js"></script>
  <script>
    const moviesDiv = document.getElementById("movies");

    // Simple way to display movies
    moviesDiv.innerHTML = `
      <h2>${movie1.title}</h2>
      <p>Time: ${movie1.time}</p>
      <p>Seats: ${movie1.seats}</p>

      <h2>${movie2.title}</h2>
      <p>Time: ${movie2.time}</p>
      <p>Seats: ${movie2.seats}</p>
    `;
  </script>
</body>
</html>
```

**What Happens?**

- Movies appear on the page like posters on a wall.

## React Basics

### Assignment 1: Create a React App (Like Starting a New Project)

**Task:**

1. Install Node.js (from nodejs.org).
2. Open terminal and run:

```
npx create-react-app simple-movies
cd simple-movies
npm start
```

**What Happens?**

- A new React app opens in your browser at **http://localhost:3000**.

### Assignment 2: Display Movies (Like a Digital Poster)

**Task:**

1. Replace the code in **src/App.js**:

```
function App() {
  return (
    <div>
      <h1>Now Showing</h1>
      <div className="movie">
        <h2>Kalki</h2>
        <p>Time: 10AM</p>
        <p>Seats: 60</p>
      </div>
    </div>
  );
}
```

**Why?**

- Learn to create simple components (like reusable posters).

## GitHub Basics

**Assignment:** Save your work online.

1. Create a GitHub account (if you don't have one).
2. Create a new repository named **simple-movies(must)**
3. Upload your code using GitHub Desktop or drag-and-drop.

## Real-Life Comparison

- **DOM = Bulletin Board:**
  - You pin/remove posters manually.
- **React = Smart Board:**
  - Posters update automatically when something changes.

## Success Checklist

1. **Day 9:**
  - Created movie objects
  - Displayed movies on a webpage
  - Added a working "Book Seat" button
  - Created a React app
  - Displayed movie details
  - Added a "Like" button

## Why This Matters

1. **Objects:** Organize data (like movie details).
2. **DOM:** Show data on a webpage.
3. **React:** Build apps that update **instantly** (like Facebook/Instagram).