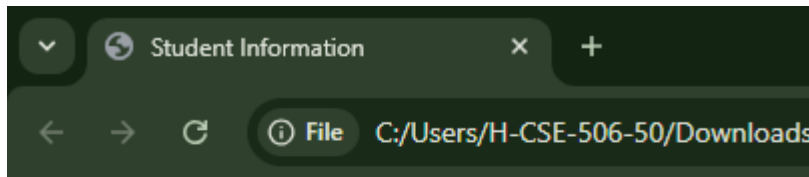# WADS LAB TASK 10

# 27-02-2025

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## 1. Object from JSON String



**Student Information**

12345,Damon S, Computer Science, CGPA: 7.3

[CODE]

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Student Information</title>
</head>
<body>
  <h1>Student Information</h1>
  <div id="student-info"></div>

  <script>
    const jsonString = '{"pin": "12345", "firstname": "Damon", "lastname": "S", "course": "Computer Science", "cgpa": 7.3}';

    class Student {
      constructor(pin, firstname, lastname, course, cgpa) {
        this.pin = pin;
        this.firstname = firstname;
        this.lastname = lastname;
        this.course = course;
        this.cgpa = cgpa;
```
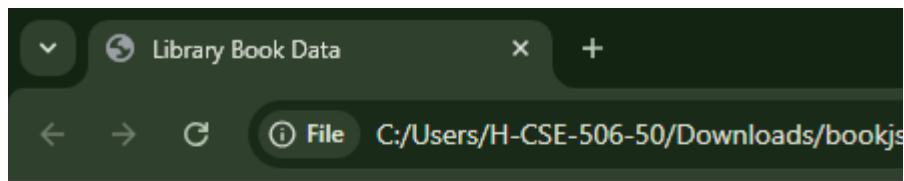
```
        }

    display() {
        return `${this.pin},${this.firstname} ${this.lastname},
${this.course}, CGPA: ${this.cgpa}`;
        }
    }

    const studentData = JSON.parse(jsonString);
    const student = new Student(studentData.pin, studentData.firstname,
studentData.lastname, studentData.course, studentData.cgpa);
    document.getElementById('student-info').innerText = student.display();
  </script>
</body>
</html>
```

## 2.  Library Book Data Using JSON and JS



# Library Book Data

**The Great Gatsby** by F. Scott Fitzgerald (1925)

**1984** by George Orwell (1949)

## [CODE]

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Library Book Data</title>
</head>
<body>
  <h1>Library Book Data</h1>
  <div id="book-list"></div>
```

```html
  <script>
    const booksJson = '[{"title": "The Great Gatsby", "author": "F. Scott
Fitzgerald", "year": 1925}, {"title": "1984", "author": "George Orwell",
"year": 1949}]';

    const books = JSON.parse(booksJson);

    function displayBooks() {
      const bookList = books.map(book =>
        `<p><strong>${book.title}</strong> by ${book.author}
(${book.year})</p>`
      ).join('');
      document.getElementById('book-list').innerHTML = bookList;
    }

    displayBooks();
  </script>
</body>
</html>
```