

## Experiment – 8: Angular JS

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**Aim:** To study AngularJS

### Problem Statement:

- Demonstrate with an AngularJS code one way data binding and two way data binding in AngularJS
- Implement a basic authentication system for a web application using AngularJS. Create a simple login page that takes a username and password, and upon submission, checks for a hardcoded set of credentials. If the credentials are valid, display a success message; otherwise, show an error message. Demonstrate AngularJS controller, module and form directives.
- Users want to search for books by title, author, or genre. To accomplish this, develop an AngularJS custom filter named bookFilter and include it into the application.
- Create a reusable and modular custom AngularJS service to handle user authentication. Include this service into an application.

### OUTPUT:

```
PS C:\webx\Programs\angular-exp8> python -m http.server 8000
Serving HTTP on :: port 8000 (http://[::]:8000/) ...
::1 - - [11/Apr/2025 00:23:58] "GET / HTTP/1.1" 200 -
::1 - - [11/Apr/2025 00:23:58] "GET /app.js HTTP/1.1" 200 -
```

```
PS C:\Users\Sanket More> ng version
```

Angular CLI

```
Angular CLI: 19.2.5
Node: 20.9.0
Package Manager: npm 10.1.0
OS: win32 x64
```

```
Angular: undefined
...
```

Package	Version
@angular-devkit/architect	0.1902.5 (cli-only)
@angular-devkit/core	19.2.5 (cli-only)
@angular-devkit/schematics	19.2.5 (cli-only)
@schematics/angular	19.2.5 (cli-only)

```
PS C:\Users\Sanket More> |
```



## Book Search

**The Alchemist** by Paulo Coelho (Fiction)

**Sapiens** by Yuval Noah Harari (History)

**The Pragmatic Programmer** by Andrew Hunt (Technology)

**1984** by George Orwell (Dystopian)



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**Sapiens** by Yuval Noah Harari (History)