



What is Angular?

Angular is a popular open-source framework developed by Google for building web applications. It allows developers to create dynamic, single-page applications (SPAs) using HTML, CSS, and TypeScript. Angular provides a structured approach to application development with features like:

- Component-based architecture
- Dependency injection
- Two-way data binding
- Routing & Form handling

Angular is widely used for its scalability, maintainability, and robust performance in developing complex applications.



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Installation Prerequisites

To install Angular and set up your development environment, follow these steps:

- Node.js
- NPM
- Text editor
- Terminal

Node.js: Angular requires Node.js. Download and install it from the [official Node.js website](#). You can verify the installation by running the following command in your terminal:

```
node -v //Check version
```

NPM: npm (Node Package Manager) is included with Node.js. You can check the version with:

```
npm -v //Check version
```



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Installing Angular CLI

Angular CLI (Command Line Interface) is a powerful tool to create and manage Angular applications. To install it globally, run the following command:

```
npm install -g @angular/cli
```

You can verify the installation by checking the version:

```
ng version
```

Creating a New Angular Project

To create a new Angular project, use the following command:

```
ng new my-project-app
```

Replace **my-project-app** with your desired project name.

The CLI will prompt you to choose additional options, such as routing and stylesheet format.



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Running the Application

To start the development server and run your Angular application, use the following command:

```
ng serve
```

By default, the application will be available at **http://localhost:4200**. Open this URL in your browser to see your new Angular application in action.

That's it! You have successfully installed Angular and created a new project. You can now start developing your application.



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Thank you

I hope you find this post helpful.



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