



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.





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](https://nodejs.org/). 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
```





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

```
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.





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.





Thank you

I hope you find this post helpful.



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