

# Angular CLI - Command Cheat Sheet

## Angular CLI (Command Line Interface) - Quick Reference

### Purpose:

The Angular CLI is a command-line tool that helps you create, build, serve, test, and maintain Angular applications efficiently.

### Common Commands:

#### 1. Create a new Angular project

```
ng new my-app
```

#### 2. Serve (run) the application

```
ng serve
```

Shortcut: ng s

Opens <http://localhost:4200>

#### 3. Build the application for deployment

```
ng build
```

```
ng build --configuration production
```

#### 4. Generate new Angular features

```
ng generate component my-component
```

```
ng generate service my-service
```

```
ng generate module my-module
```

Shortcuts:

```
ng g c my-component
```

```
ng g s my-service
```

#### 5. Run unit tests

ng test

## 6. Run end-to-end (E2E) tests

ng e2e

## 7. Add a new feature or library

ng add @angular/material

## 8. Update Angular and dependencies

ng update @angular/cli @angular/core

## 9. Lint project (check code quality)

ng lint (Replaced by ESLint in newer versions)

## 10. Display project environment info

ng version

## 11. Run build/watch continuously

ng build --watch --configuration development

### Aliases:

ng s => ng serve

ng b => ng build

ng g => ng generate

ng t => ng test

### Behind the Scenes:

- Uses Webpack for bundling.
- Uses TypeScript compiler for transpiling.
- Reads build settings from angular.json.

### Installation:

npm install -g @angular/cli

Check version:

```
ng version
```

Example workflow:

```
ng new my-app
cd my-app
ng serve
ng g c login
ng build --configuration production
```

Interview/Important Questions:

1. What is Angular CLI and why is it used?
2. What is the difference between ng build and ng serve?
3. What does ng generate component do?
4. How to add Angular Material using CLI?
5. What file does Angular CLI use for build configuration?
6. How to update Angular using CLI?
7. What happens when you run ng serve?
8. How to check CLI version?