Environemental setup

- install node
- install angular cli
  - node -v
  - npm install -g @angular/cli
  - ng --version
- update angular cli
  - npm uninstall -g angular-cli
  - npm cache clean/npm cache verify (if npm > 5)
  - npm install -g @angular/cli@latest
- downgrade angular cli
  - rm -rf node_modules
  - npm uninstall --save-dev angular-cli
  - npm install --save-dev @angular/cli@1.2.2
  - npm install

Building Blocks Of Angular Application

- Components
- Directives
- Services
- Routes
- Modules
- Pipes
- Guards

Understanding Angular Cli Sommands

- ng new appname
  - flags (same flags may be available in other commands too)
    - --dry-run
    - --iniline-style
    - --inline-template
    - --routing
    - --prefix
    - --style
    - --skip-tests
- ng serve
  - flags

- - - --port
  - - --host
  - - --ssl
  - - --ssl-key
  - - --ssl-cert
  - - --open
- ng lint
  - flags
    - --fix
- ng test
- ng build
  - flags
    - --prod
    - --build-optimizer
    - --aot
- ng g cl class-name
- ng g c component-name
  - flags
    - --spec
    - --view-encapsulation
    - --flat
    - --selector
- ng g d directive-name
- ng g e enum-name
- ng g m module-name
- ng g p pipe-name
- ng g s service-name

Understanding Basic Debugging
- Console.log(), console.debug(), console.warn(), console.info(), console.error()
- console.table();
- console.time();console.timeEnd();
- console.trace();
- debug(fn);
- debugger;
- console.log('%c ' + question, 'background: #222; color: #bada55');

- monitor(fn);

Understanding File Structure
- Angular Cli and Webpack
- package.json
  - ~(supports patch release)
  - ^(supports minor release)
  - refer semver for more versioning details
- Angular.json / Angular-cli.json(version <=5)
- main.ts
- Appmodule.ts
- Dependancy Injection

HTML Best Practices
- Reset.css
- Getting Most Out of Html5
  - <article>
  - <aside>
  - <details>
  - <figcaption>
  - <figure>
  - <footer>
  - <header>
  - <main>
  - <nav>
  - <section>
  - <summary>

Components
- Decarators
- Constructor
- Template
- Styles
- Template Expression {{}}

Structural Directives
- *ngFor

- *ngIf
- *ngSwitch

Component Interaction
- Input
- Output