1. Revise all the basic concepts with examples in Angular, JS, Typescript.
2. Revise all the questions done in code sandbox.
3. Build following components:

Imp:

* 1. Accordion: https://www.w3schools.com/howto/howto\_js\_accordion.asp

https://www.w3schools.com/howto/howto\_js\_collapsible.asp

* 1. Side navigation: https://www.w3schools.com/howto/howto\_js\_sidenav.asp

https://www.w3schools.com/howto/howto\_css\_sidebar\_responsive.asp

* 1. Dropdown: https://www.w3schools.com/howto/howto\_css\_dropdown.asp
  2. Slideshow: https://www.w3schools.com/howto/howto\_js\_slideshow.asp
  3. Image magnifier glass: https://www.w3schools.com/howto/howto\_js\_image\_magnifier\_glass.asp
  4. Buttons: https://www.w3schools.com/howto/howto\_css\_alert\_buttons.asp

https://www.w3schools.com/howto/howto\_css\_outline\_buttons.asp

* 1. Forms: https://www.w3schools.com/howto/howto\_js\_form\_steps.asp?
  2. Autocomplete: https://www.w3schools.com/howto/howto\_js\_autocomplete.asp
  3. Filer + Sort table + Pagination: https://www.w3schools.com/howto/howto\_js\_filter\_table.asp

https://www.w3schools.com/howto/howto\_js\_sort\_table.asp

https://www.w3schools.com/howto/howto\_css\_pagination.asp

* 1. Modal: https://www.w3schools.com/howto/howto\_css\_modals.asp
  2. Tooltips: https://www.w3schools.com/howto/howto\_css\_tooltip.asp
  3. HTML includes: https://www.w3schools.com/howto/howto\_html\_include.asp
  4. To-do list: https://www.w3schools.com/howto/howto\_js\_todolist.asp
  5. Loader: https://www.w3schools.com/howto/howto\_css\_loader.asp
  6. Star rating: https://www.w3schools.com/howto/howto\_css\_star\_rating.asp
  7. Equal height columns: https://www.w3schools.com/howto/howto\_css\_equal\_height.asp
  8. Snack bar: https://www.w3schools.com/howto/howto\_js\_snackbar.asp
  9. Toggle Dark/Light mode: https://www.w3schools.com/howto/howto\_js\_toggle\_dark\_mode.asp
  10. Tree view with checkbox: **Done** https://www.w3schools.com/howto/howto\_js\_treeview.asp

https://css-tricks.com/indeterminate-checkboxes/

* 1. Centre div vertically and horizontally: https://www.w3schools.com/howto/howto\_css\_center-vertical.asp
  2. Toggle switch: <https://www.w3schools.com/howto/howto_css_switch.asp>
  3. Scroll back to top: <https://www.w3schools.com/howto/howto_js_scroll_to_top.asp>
  4. Stop watch
  5. Infinite scroll

1. **If I have time**:
   1. Image overlay: https://www.w3schools.com/howto/howto\_css\_image\_overlay.asp

https://www.w3schools.com/howto/howto\_css\_image\_overlay\_slide.asp

https://www.w3schools.com/howto/howto\_css\_image\_overlay\_zoom.asp

https://www.w3schools.com/howto/howto\_css\_image\_overlay\_title.asp

https://www.w3schools.com/howto/howto\_css\_image\_overlay\_icon.asp

* 1. Calendar: https://www.w3schools.com/howto/howto\_css\_calendar.asp
  2. User rating: https://www.w3schools.com/howto/howto\_css\_user\_rating.asp
  3. Split button: https://www.w3schools.com/howto/howto\_css\_button\_split.asp
  4. Checkout form: <https://www.w3schools.com/howto/howto_css_checkout_form.asp>
  5. Web worker

1. Asked interview questions:
   1. Two Sum: <https://dev.to/nas5w/exploring-the-two-sum-interview-question-in-javascript-39c0>

**Typescript**

1. What is an unknown type, and when to use it in TypeScript? **Done**
2. Explain the purpose of the never type in TypeScript.
3. Difference between enum and type
4. Spread / Rest operator
5. Symbol
6. Public, private, protected
7. Abstract classes
8. Tuple types
9. Implements **Done**
10. Concept of inheritance
11. Decorator
12. Generics
13. Data types
14. Modules
15. Record
16. Interface
17. Map()

**Angular**

1. Component lifecycle - **Done**
2. View encapsulation - **Done**
3. Content projection - <https://medium.com/claritydesignsystem/ng-content-the-hidden-docs-96a29d70d11b> **- Done**
4. Pipes – Pure and Impure - **Done**
5. Directives - **Done**
6. Dependency injection - **Done**
7. Internationalization – create a multilingual website - **Done**
8. Interceptor - **Done**
9. Async - **Done**
10. Inject and Injectable - **Done**
11. Add service directly in the component without using provider - **Done**
12. @ViewChild, @ViewChildren, @ContentChild, @ContentChildren - **Done**
13. BrowserModule - **Done**

**If I have time**:

1. Dynamic components
2. Angular elements
3. Jasmine

**CSS**

1. Difference between div > p, div p, div ~p

**HTML**

1. Doctype in HTML