Make website using simple Semantic tag that helps search engine to understand

Define a simple html structure

! + tab give html boiler plate

- <!DOCTYPE html> define we are creating html 5 file.
- In head section we have meta tag → gives meta data for search engine for knowing what this website is about.
- We have charset UTF-8 → it is a character set that can represent almost all language of the word.
- viewport define the area where our webpage is displayed, for small device like mobile viewport is screen size and for laptop or desktop, it browser window, we can resize it.
- here we have content → width set to device-width and initial-scale to 1.0 means zoom factor.
- we have description meta tag that we can see description of web page without opening it.
- keyword meta tag was used early. But from research, it is not best practice to use and search engine like google, yahoo, bing also ignore it. It is called keyword stuffing. Giving large number of keyword and and repeated number of same keyword to trick search engine.
- but yandex(russia) and baidu(china) still support it very little but they heavily relay on content.
- Title tag → to give title for the webpage
- link tag to link css or external style sheet.

Body

body contains main content for the web page

- we have to use semantic element for webpage to be search engine friendly.

header tag

- header tag → In header we have nav tag where we define navigation links
- to define logo we use figure tag inside figure tag we use img tag and provide logo image kept in assets folder.
- figure can also have figure caption tag to define image.
- But for now, we don't need figurecation for logo.
- img tag have 2 local attributes src and alt where we provide path to image src and alt to describe image.
- path can be given in 2 different way
- absolute and relative
- / represent root of director for absolute path and './' represent current directory for relative path ../ give 1 step up from current director. So, using this we can navigate path.
- anchor tag to navigate to other resource. It have href which means hyper reference can be path to redirect or link to navigate.

- we warp these a tag inside ul tag because we don't need ordering.
- it is good practice to keep a tag as list. And style list-style-type to none to remove bullet and also give it display property flex.

container class

In div tag, we give container class,

- It contains 2 part, aside and main tag
- aside represent side pannel to see content topic and links
- main part container main content, to keep them sideway we use flex.
- In main we use h1 main heading tag.
- Used for knowing what website is about. We have to use only 1 h1 tag. And use other h2 ,h3 in order wise.
- we can use h3 to give subheading for h2 and again we need sub heading for h3, we can use h4
- article tag → It is used to give separate article.
- We use h4 and ol tag in article
- In another article we use h4 and ul and in another article we use h4 and dl

List

- we use 3 type of list
- ol → order list
- ul → unorder list
- dl → description list. It is used to define description. It have dt → description title, dd → description data

Form

We have form

- In form we use h4 to define heading in from
- label → to define label for form. we have 'for' attribute. Which reference to input element with given 'id'
- Benefit of using form is, when we click on label, the input field is highlighted for given id that is reference with for attribute
- input tag have different local attribute like name, value, type, file, placeholder and so.
- name → reference can be used to pass value to backend.
- value → can give initial value
- type → define type like text, number, password, email. It give basic validation rule.
- placeholder → define what should be place in field with given information.
- Textarea tag → when we need long text as input, we can give textarea. It have rows and cols to define rows and columns it need initially. To disable resizing it we can use resize to none.

Footer

- In footer we have different articles
- article have h4 for heading and ul tag
- we have hr to define horizontal line.
- entities to define special character like <, >, copy right symbol.