* npm install -D tailwindcss postcss autoprefixer

here (postcss, autoprefixer) are adds on with tailwind which add some custom global styles for famous browsers.

( for example: it removes [margin, padding] in <body></body>)

* npx tailwindcss init -p => This code helps me to add a layer (tailwind class) that holds cusom styles I made and I can use it many times in my application. This made (tailwind.config.js) file.
* Third step: to add some code to (tailwind.config.js) file

/\*\* @type {import('tailwindcss').Config} \*/

export default {

  content: ["./index.html", "./src/\*\*/\*.{js,ts,jsx,tsx}"],

  theme: {

    extend: {},

  },

  plugins: [],

};

* Fourth step: add code to global styles file

@tailwind base;

@tailwind components;

@tailwind utilities;

* I can add names for my color palette
* /\*\* @type {import('tailwindcss').Config} \*/
* export default {
* content: ["./index.html", "./src/\*\*/\*.{js,ts,jsx,tsx}"],
* theme: {
* extend: {
* colors: {
* mainColor: "#000", // text-mainColor
* },
* },
* },
* plugins: [],
* };

Like in normal tailwind, if I want red colour , so I type (text-red) same here I type (text-mainColor)

* Here I added custom value for (opacity) is (0.9)

<a

  className=" opacity-[0.9]"

>

* \*\*\*

If I want to see 1)if class I added is a valid tailwind class - 2)The value of property added (ex:- in px) => Hover over this className

\*\*\*

* In tailwind, styles stats applying on mobile screen (which is smaller than small screen [sx])  
  So if I want to give styles to mobile only I do

<div className="flex-col sm:flex-row">

Here The Flex: column applied only on mobile (because it is the starter screen for applying styles) and then Flex: row applied for rest screens.

* Another one If I want to apply styles on screens from medium to smaller

<div className="flex-col lg:flex-row">

* In tailwind any style is inherited
* <div>
* <h1>
* All your files in one structure location,
* <br />
* accessible anywhere
* </h1>
* </div>

Like here (h1) will inherite the styles of it’s parent (div), so text here will appear as it’s inside a div not h1 , solution for this is to put custom styles for h1 globally (in index.css)

h1 {

  font-size: 40px;

  line-height: 40px;

}

\*\*\* Or I can make a class with custom styles in global styles (index.css)

@layer utilities {

  .custom-landing-heading {

    @apply text-red-500 text-[40px];

  }

}

By this, I added a new custom class to tailwind

-So now H1 here is affected by 2 effects

<h1 className="custom-landing-heading">

      All your files in one structure location,

     <br />

     accessible anywhere

</h1>

1. H1 custom styles 2) custom-landing-heading

* \*\*\* One of the greatest pros of tailwind that is allowed me to (change default values of it)

. like I can change the default responsive values of tailwind (use bootstrap values because it is better)

/\*\* @type {import('tailwindcss').Config} \*/

export default {

  content: ["./index.html", "./src/\*\*/\*.{js,ts,jsx,tsx}"],

  theme: {

    extend: {

      colors: {

        mainColor: "#000", // text-mainColor

      },

      screens: {

        sm: "576px",

        md: "768px",

        lg: "992px",

        xl: "1200px",

        "2xl": "1400px",

      },

    },

  },

  plugins: [],

};

In screens here (inside tailwind.config.js file)

* When I add a layer (custom classed hold custom styles) ,

I can use 1) a new class name

2) tailwind class name

In case I used tailwind class name, then any styles I add it to this class is added to styles of tailwind (class = my styles + tailwind styles)

@layer {

  .container {

    @apply px-[30px] mx-auto;

  }

  .element-center {

    @apply flex justify-center items-center;

  }

}

1. Container => Is a tailwind class, and I used to add some styles to it, so every time I use (constainer class) I get tailwind styles + my custom styles I added.
2. Element-center => Is a new class I add to get some custom styles I need (in many places)

* \*\*\* width: 400px; max-width: 100%

This means but width in 400px, but if screen width is less than 400px make it 100% not 400px

(this avoids scrolling in small screens)

* \*\*\* If I have a component with content of with 100px

But it’s parent is 200px with, in default this child will take 200px not it’s 100px.

So to make it only takes it’s with => width: fit;

* z
* z
* z
* z
* Tailwind code is compiled to normal css code

(like TS code is compiled to JS code)

Don’t forget: Styles of tailwind start from mobile screen to larger,

so if I type (text-white, md:text-black)

This means text is white in mobile +small screen

But on medium to larger it is black

Commands:-

* npm install -D tailwindcss postcss autoprefixer
* npx tailwindcss init -p

Plugins:-

* Material tailwind
* Tailwind elements

Extensions:-

* tailwind css intellisense

Useful links:-

* https://tailwind.build/classes