

# Foundation class for 100xdevs cohort

What we're learning

1. VSCode
2. HTML
3. CSS
4. JS
5. DOM
6. Assignments

# What we'll learn practically



## Small boi stuff

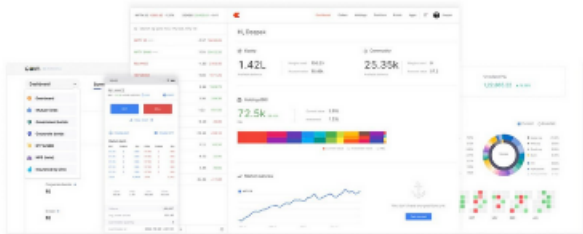
1. Tags
2. Attributes
3. Inline styles (bg color, fonts ...)
4. JS Basics, data types, loops, fns...

## Big boi stuff

1. External styles, classes and ids
2. Flexbox
3. Connecting JS to HTML (selectors, DOM)
4. Chrome Dev tools

# What we're building

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## Invest in everything

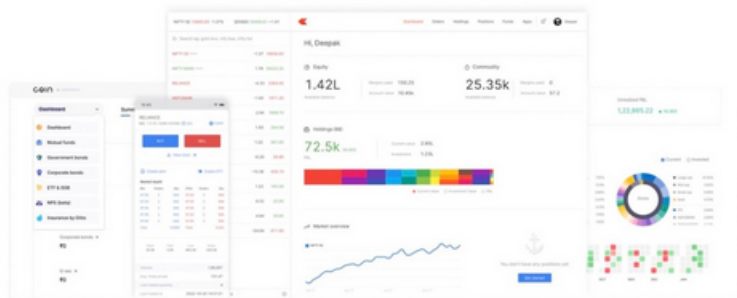
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# Stage 1

(HTML Only)

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**Invest in everything**

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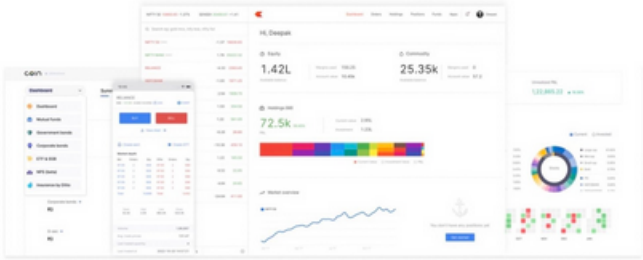
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# Stage 2

(HTML + CSS)

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# Stage 3

JS

Create a portfolio returns calculator

A hand-drawn sketch of a user interface for a portfolio returns calculator. The interface is contained within a rounded rectangle. On the left side, there are three stacked input fields labeled "Capital", "Years", and "Interest". To the right of these fields is a single input field containing the text "4 Cr". At the bottom of the interface is a wide button labeled "Calculate".

# Before we start

What are browsers? How do they **render** websites?

What purpose do HTML/CSS/JS serve

How much of this do we actually use in the industry -

1. html => very minimal
2. css => minimal
3. js - heavy

# IDE

VSCode

Vim

WebStorm



# HTML

Defines the structure of your website

2 jargon we need to know of -

1. Tags

2. Attributes

# HTML Tags

- <html>
- <head>
- <title>
- <body>
- <div> / <span>
- <h1> .. <h6>
- <p>
- <img>
- <a>
- input
- <button>
- <b> / <i>
- <center>

# Attributes

- ``
  - `<a href="google.com">`
  - `<button onclick="">`
  - `<input id="username">`
- 
- `<input id="username">`

# CSS

They let you add **styles** to your website (colors, font sizes, background colors ...)

Used for positioning things on the page

# How to add styles?

3

4

```
<h1>hi there</h1>
```



File | /Users/kirat/Projects/100xdevs/foundation-class/index.html

**hi there**

# How to add styles?

```
3  
4 <h1 style="color: red; background: green;">hi there</h1>
```



# Common styling attributes

color

background

border-radius

border

padding / margin

box-shadow

# How to position?

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divs always take up all the space available horizontally  
spans only take up as much space as needed

Can you make divs take only the space they need?



# How to position?



# Dumb way



float property

# Right way Flex box

**display: flex**  
on parent  
makes all div siblings reside  
in the same line

