Topic Covered in today's Class
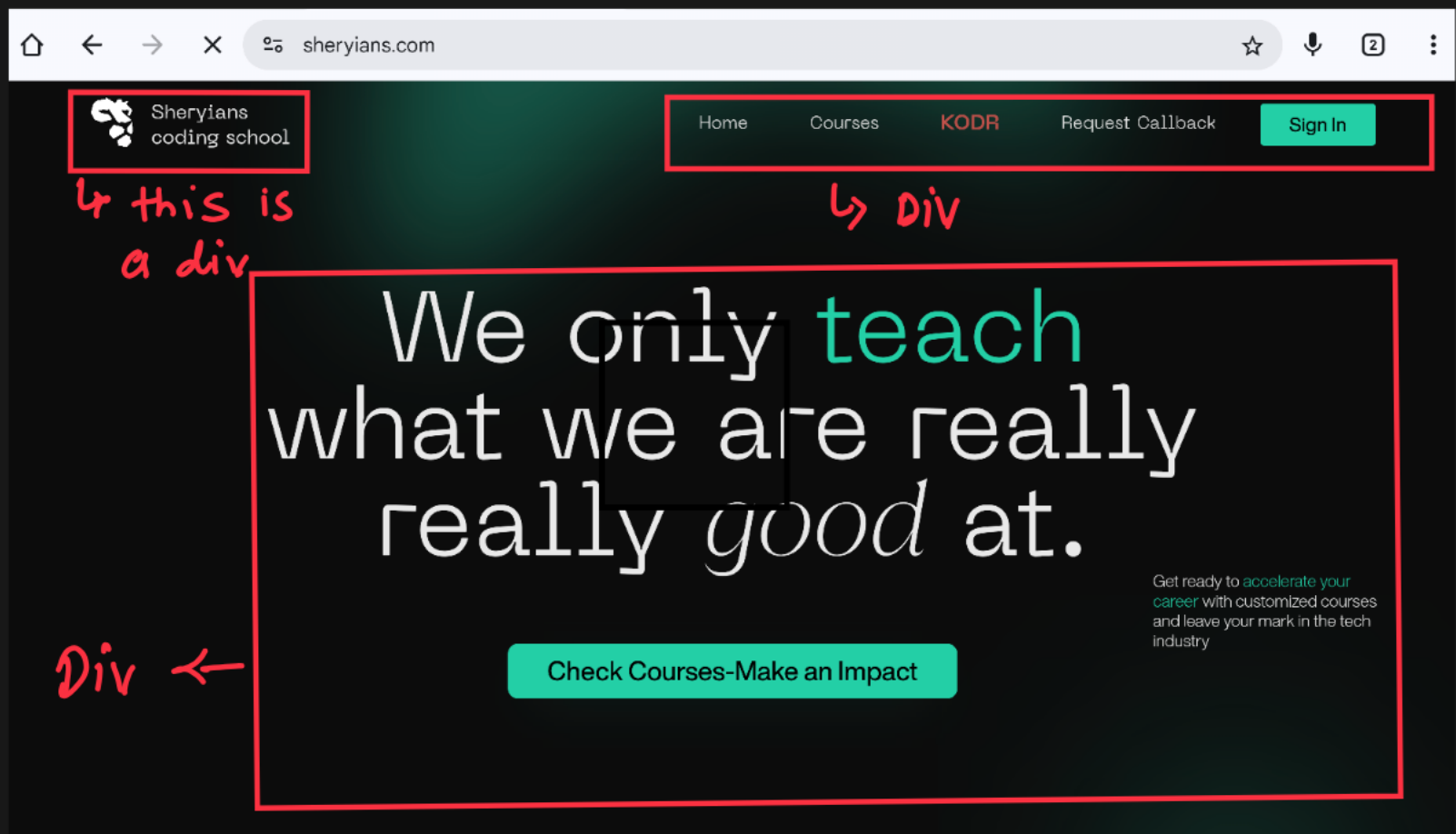
→ Container
→ Rectangle

→ **What is Div?**

- Div is a semantic tag. which serve as a → container and → for shapes like Rectange or any related size.

- Div is used to make structured website.

for example:

↳ this is a div

↳ DIV

Div ←

What is "%" unit? and it's purpose:

↳ When you give a percentage for width or height, it means:

"Take this much size relative to the parent element."

→ Width & height in % (Percentage Sign):

```
.box {
    width : 50%.
    height : 50 %.
}
```

→ The box will take 50% of the width and 50% of the height of its parent element (like the body or another div).

Note: → If the parent has no height, the percentage won't work. you must write this —

```
html. body {
    height : 100%.
    width : 100%.
}
```

then —

```
.box {
    hight: 50%.
    width : 50%.
}
```

Real example:

HTML ↓

```
<div class="container">
 <div class="child"></div>
</div>
```

CSS →

```
html, body {
  height: 100%;
}
.container {
  width: 100%;
  height: 80%;
  background-color: lightblue;
}
.child {
  width: 50%;
  height: 50%;
  background-color: coral;
}
```

1. aboutDiv.html + aboutDiv.css (sourceCode):

→ Display 3 colored square boxes using CSS and <div> elements.

→ HTML (aboutDiv.html):
- Links to aboutDiv.css for styling.
- Adds 3 <div>s with class `box` and Different ID's (box1, box2, box3).

→ CSS (aboutDiv.css):
- Make All elements use full width & height with no margin/padding.
- box sets size to 200 x 200 pixels.
- #box1 = bgc(lightseagreen), #box2 = bgc(pink) #box3 = bgc(green).

output - It shows 3 square boxes in different colours.

2. bgi.html + bgi.css (Source Code):

→ Display a full page background image with centered heading text

HTML (bgi.html) :

- Links to bgi.css for styling.
- Contains a `<div id="box1">` with a heding(h1) :
  "Welcome to Sheryians".

CSS (bgi.css) :

- `# box1` takes the full page and shows a background image (image.jpg).

- The background is centered and covers the hole sceen.

```
background-position : center ;
backgroud - size : cover ;
```

- The `<h1>` is lagge (100px), white and centered

- And uses built-in fonts.

output : It shows a fullsceen image with white heading text in the center.