

Grouping Element in HTML

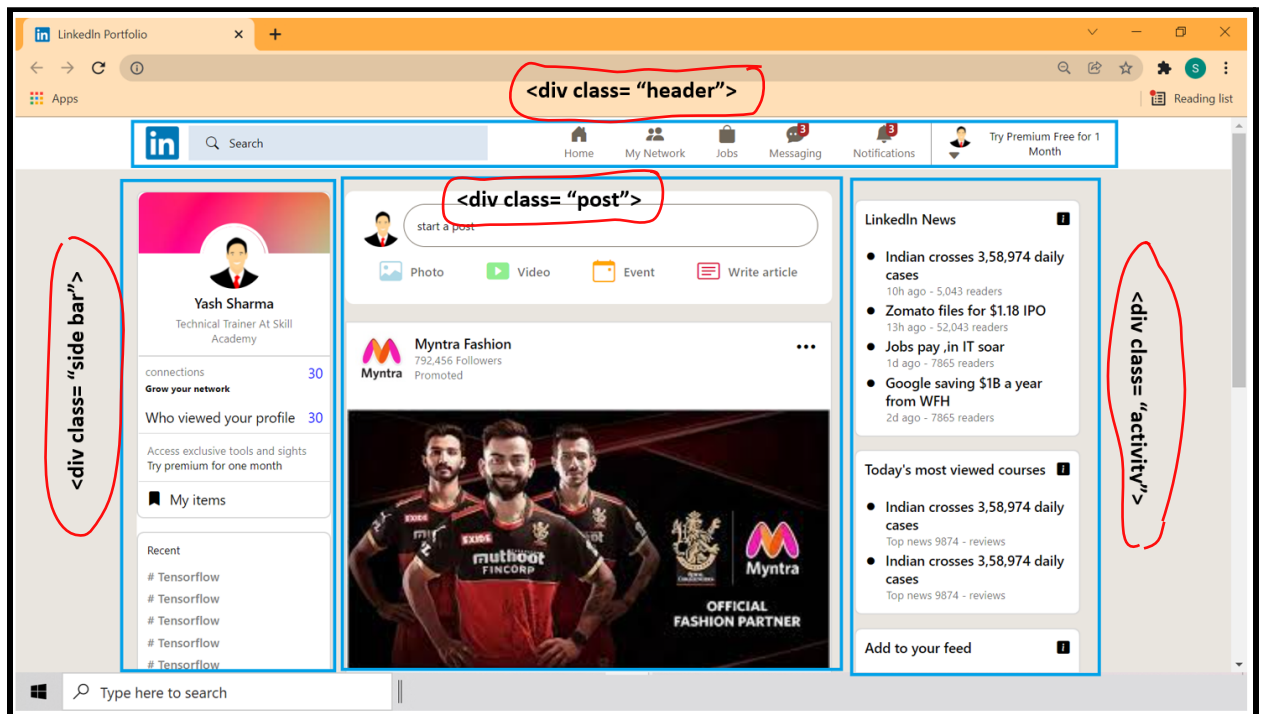
Topics Covered:

- What is the <div> tag and its purpose in HTML?
- What is the tag and its purpose in HTML?
- How is the <div> different from ?

Topics in Detail:

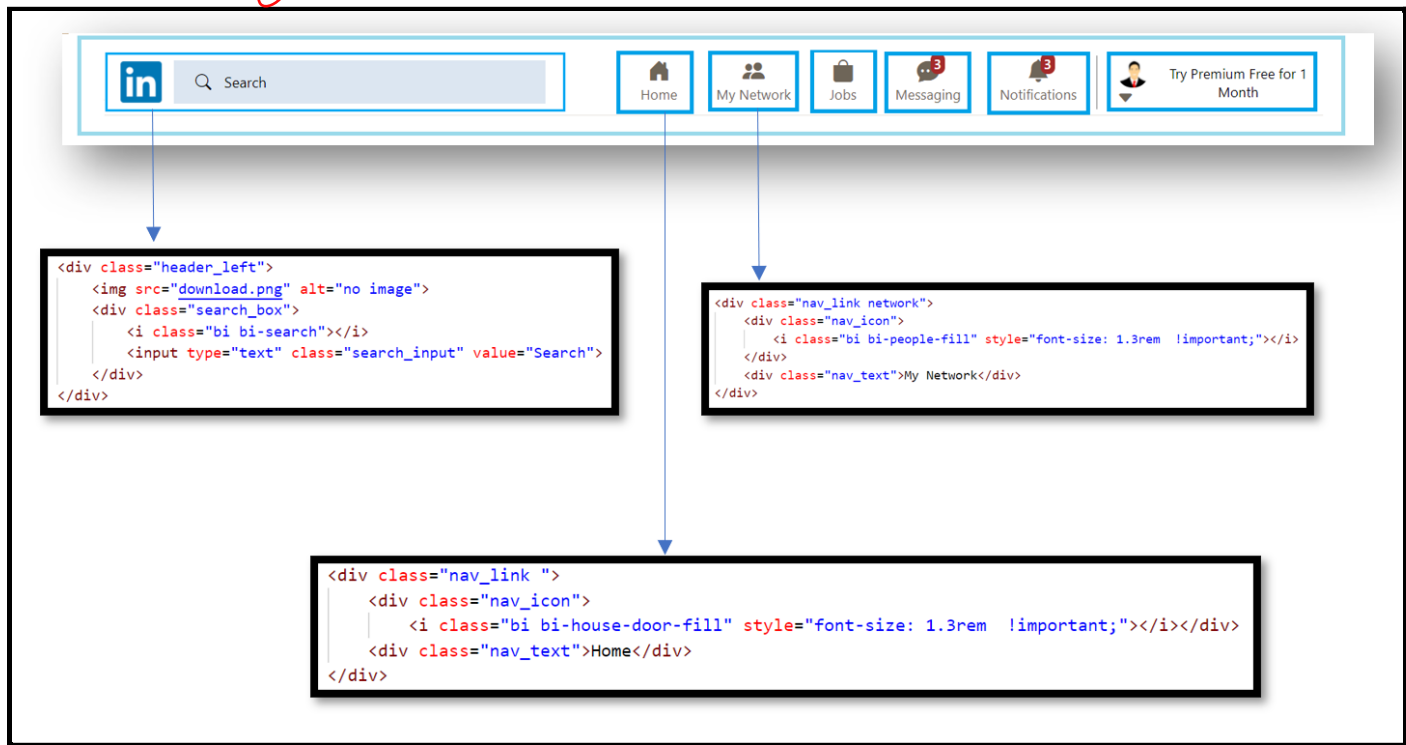
<div> tag:

- <div> tag in HTML defines the **division/section** in the document.
- <div> tag is the **container of HTML elements**.
- It is **easy to apply styles and scripts** to the HTML elements when they are inside the <div> tag with help of the attributes of the <div> tag.
- The **class and id attributes** help in **styling and applying scripts** to the HTML elements inside the <div> </div>.
- <div> is a **block-level element**, so there will be a line before and after the <div> </div>.
- <div> is the most important tag in web development, because it helps us to **separate the content/data in the web page**, and **helps us to apply different styles and behaviors to different divisions**.
- <div> tag is used to group the large section of HTML elements together.
- <div> tag encapsulates HTML elements and divides the HTML document into sections.
- <div> tag cannot be used inside <p> element.
- Example:



Divisions in the web page

Confusing - ?

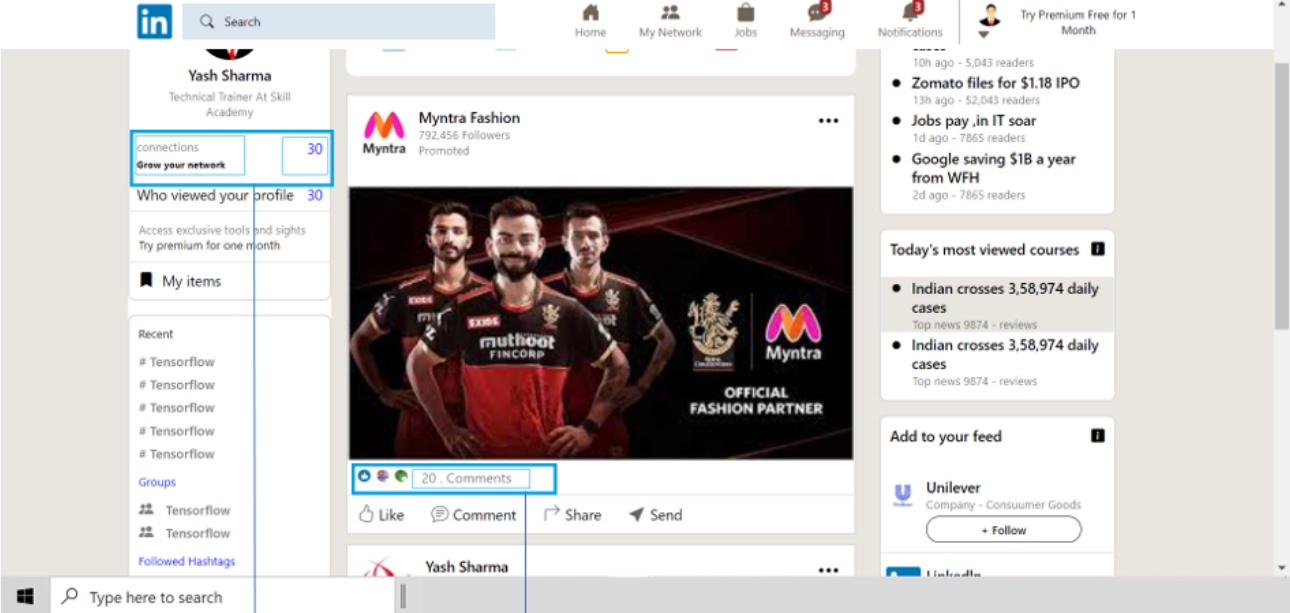


Few sub divisions inside the `<div class="header">` `</div>`

used to show Company motto or particular specification

 tag:

- tag is an **inline container**.
- tag is used to **markup part of text/ content in an element**.
- tag also **helps to apply styles and scripts easily with help of id and class attributes similar to <div> tag**, but <div> is a block-level element and is an inline element.
- can **be used inside <p> tags**, to **apply different styles to part of the content in the <p> tag**.
- Example:



```
<div class="post_item_comment_info">  
    
    
    
  <span class="account_name">20 . Comments</span>  
</div>
```

```
<div class="connections" >  
  <span style="float:left" class="account_name" >connections</span>  
  <span style="float:right"><a href="#" style="color: blue;">30</a></span>  
  <br>  
  <h6>Grow your network</h6>  
</div>
```

span tags used inside the div tags in the web page

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Difference between div and span tags:

<div>	
The <div> tag is a block level element .	The tag is an inline element .
It is best to attach it to a section of a web page .	It is best to attach a CSS to a small section of a line in a web page.
It accepts/supports align attribute.	It does not accept/support align attribute.
This tag should be used to wrap a section, for highlighting that section .	This tag should be used to wrap any specific word that you want to highlight in your webpage.
Used for CSS based HTML Layouts .	Used to stylise text . - giving style to text
<div> tag displayed in a new line .	 tag does not begin a new line .