

## Grouping Element in HTML

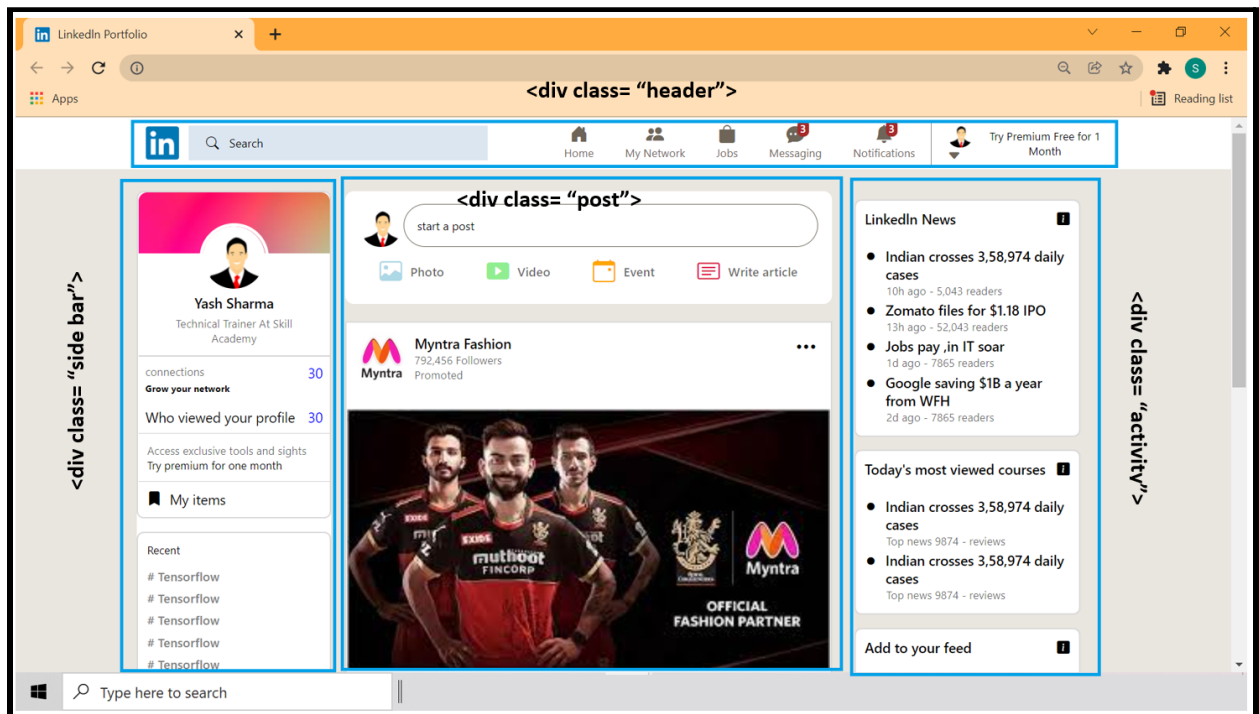
### Topics Covered:

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

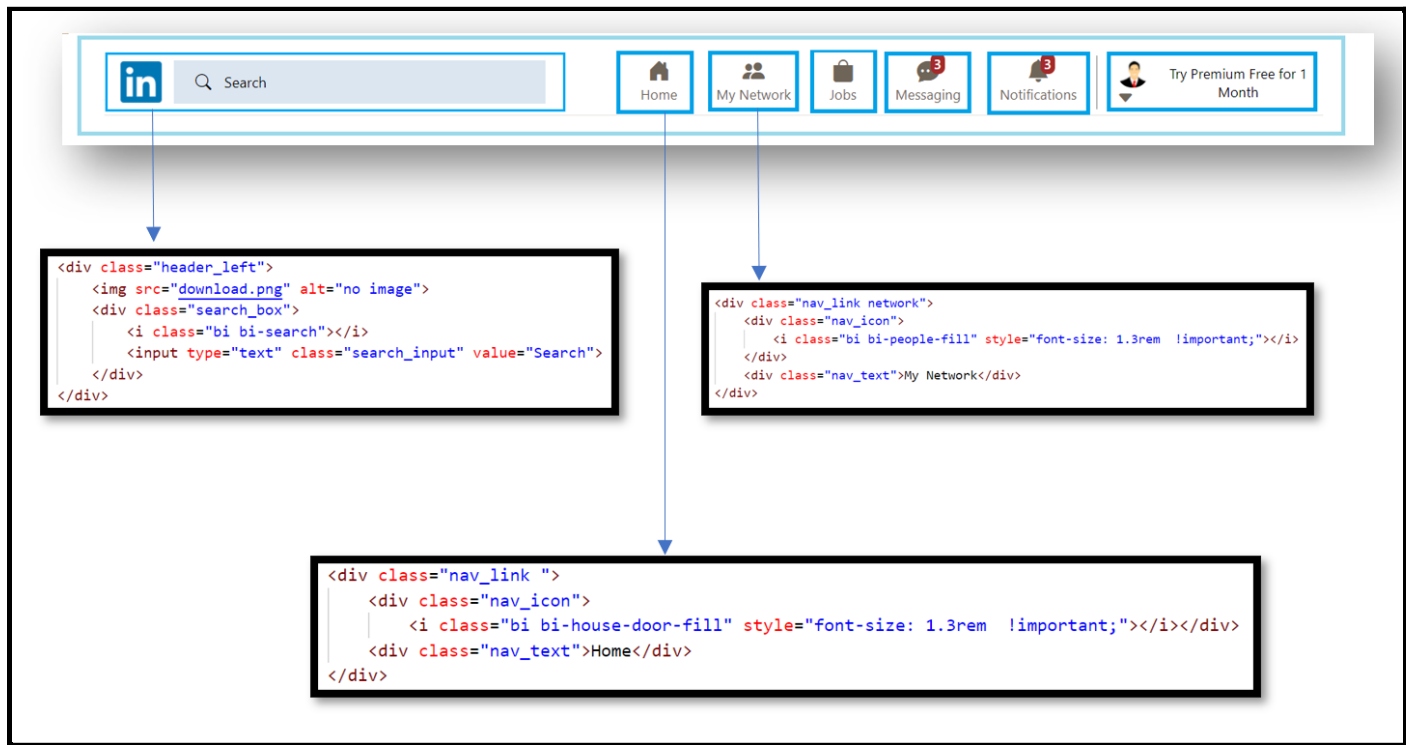
### Topics in Detail:

#### <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



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

## <span> tag:

- <span> tag is an **inline container**.
- <span> tag is used to markup part of text/ content in an element.
- <span> 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 <span> is an inline element.
- <span> can be used inside <p> tags, to apply different styles to part of the content in the <p> tag.
- Example:

The image shows a screenshot of a LinkedIn profile page for Yash Sharma, Technical Trainer at Skill Academy. The page includes a header with navigation links (Home, My Network, Jobs, Messaging, Notifications), a profile section with a search bar and a 'connections' link, and a main content area with a Myntra Fashion advertisement and a '20 . Comments' section. Two blue arrows point from the 'connections' and '20 . Comments' sections to corresponding HTML code snippets.

**HTML code for the 'connections' section:**

```
<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>
```

**HTML code for the '20 . Comments' section:**

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

*span tags used inside the div tags in the web page*

## Difference between div and span tags:

<div>	<span>
The <div> tag is a block level element.	The <span> 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 <b>align</b> attribute.	It does not accept/support <b>align</b> 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.
<div> tag displayed in a new line.	<span> tag does not begin a new line.