

## At a high level, what is the purpose of HTML and CSS? How do the two differ?

HTML show which content is to be displayed and CSS is how this content will look once displayed. In a sense CSS is a way to stylize content.

Example: in the HTML file you would say you want to display a link and in CSS you would say you want links to be pink coloured.

### a. What is the purpose of assigning a “class” to an HTML element?

When you have assign classes to div elements, you can make certain changes apply to those classes of div elements.

For example: suppose you have a div for cat pictures and a div for shark pictures, but you want to stylize the content in these divs in a different way, you can assign classes to them.

### b. What is the difference between a “class” and an “id”?

ID's are unique and only one element can have a certain ID whereas Classes aren't unique and multiple elements can be in the same class.

### c. How would one select a division (div) element with class “box” using CSS?

```
div.box {  
  
    filled-with: kiitens;  
  
}
```

## List 5 different HTML elements and provide a short description of the function of each.

<strong> makes text **bold**

<h1> creates a header (h1 being the largest and h6 being the smalles)

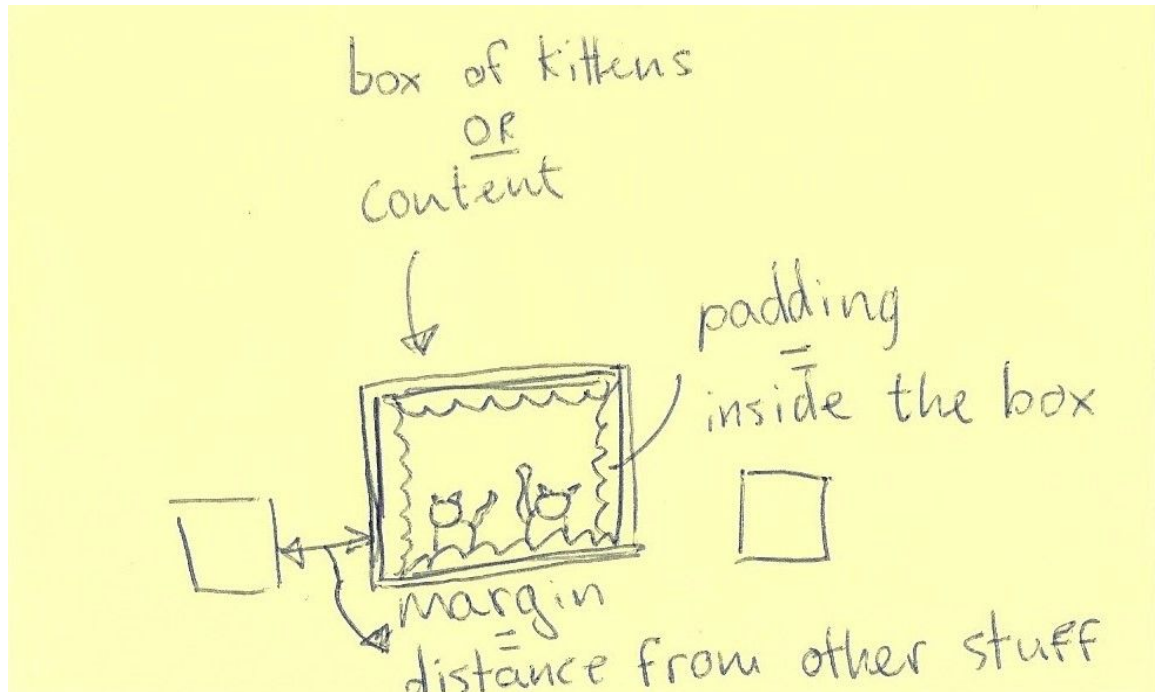
<ol> creates an ordered list and <ul> creates an unordered list. <li> creates a list item.

<a href=""> creates a link

<img src=""> creates an image

**What is the difference between margin and padding?**

If you would look at my marvelous illustration:



If you have a box with content the padding is the distance from the content within the box from the border and the margin is the difference from the box/border to other objects on the outside.

Consider the Gmail Inbox interface. How is the site functionally divided? Create a nested list representing this functional division. Don't worry about extremely fine details; this should help you start:

**page**

**header bar**

- Google logo
- Search bar with dropdown button
- Search Button
- Button with different google apps
- Notification button
- Personal Settings

**Second header bar**

- Switch button (Mail,Contacts,Tasks)
- Select button
- Refresh button
- Options button
- Keybaord settings button
- General settings button

**Body**

**Left**

- Compose button
- All mail subfolders (starred,important,sentmail)

**Middle/right**

- Unread mails
- All other mails

**Footer**

- Used storage
- Manage button
- Terms
- Pricavy
- Activity