**HTML-CSS**

Html element

<a> anchor element

<a href=””> html attribute= modifies how an element behaves

Href attribute name tells what we are modifying

“” attribute value tells what we are modifying up to like link

Target=”\_blank” specifies link open in new tab(without this bydefault open in same tab)

CSS

<STYLE>

button{ background color: red;

 color: white;

border-color:none; /\*by default talkes black\*/

        border: none; no border at all

        height: 35px;

        width: 90px;

        border-radius: 3px; corner curving

        cursor: pointer

}

</STYLE>

Here above, button is css selector tells element we are targeting in the page to style

Background color is css property it tells what we are changing

Red is css value it tells what we are changing to

Class attribute: targets by labelling and makes changes only to that class

Accesses using .classlabelname

<button class="subscribe-button">

    Subscribe

</button>

<style>

    .subscribe-button{

        background-color: rgb(200, 0, 0);

        color: white;

        border-color:none; /\*by default talkes black\*/

        border: none;

border-style: solid;

        border-width: 0.5px;

        height: 35px;

        width: 90px;

        border-radius: 3px;

        cursor: pointer

    }

</style>

<button class="join-button">

    JOIN

</button>

<style>

    .join-button{

        background-color: rgb(255, 2555, 255);

        color: rgb(0, 0, 255);

        border-color:rgb(0, 0, 255); /\*by default talkes black\*/

        /\*border: none;\*/

        border-style: solid;

        border-width: 0.5px;

        height: 35px;

        width: 55px;

        border-radius: 3px;

        cursor: pointer;

    }

</style>

<!--exercises below-->

<button class="request-button">

    Request Now

</button>

<style>

    .request-button{

        background-color: rgb(0, 0, 0);

        color: rgb(255, 255, 255);

        /\*border-color:rgb(0, 0, 255);\*/ /\*by default talkes black\*/

        border: none;

        /\*border-style: solid;

        border-width: 0.5px;\*/

        height: 35px;

        width: 120px;

        cursor: pointer;

        margin-left: 10px;

    }

</style>

<button class="cart-button">

    Add to Cart

</button>

<style>

    .cart-button{

        background-color: rgb(242, 251, 71);

        color: rgb(0, 0, 0);

        /\*border-color:rgb(0, 0, 255);\*/ /\*by default talkes black\*/

        border: none;

        /\*border-style: solid;

        border-width: 0.5px;\*/

        height: 35px;

        width: 150px;

        border-radius: 50px;

        cursor: pointer;

        margin-left: 10px;

        font-weight: 300;

    }

</style>

<button class="sign-button">

    Sign up

</button>

<style>

    .sign-button{

        background-color: rgb(12, 173, 1);

        color: rgb(255, 255, 255);

        /\*border-color:rgb(0, 0, 255);\*/ /\*by default talkes black\*/

        border: none;

        /\*border-style: solid;

        border-width: 0.5px;\*/

        height: 35px;

        width: 75px;

        border-radius: 3px;

        cursor: pointer;

        font-weight: bold;

        font-size:medium; /\* 15px \*/

        margin-left: 10px;

    }

</style>

<button class="start-button">

    Get started

</button>

<button class="download-button">

    Download

</button>

<style>

    .start-button{

        background-color: rgb(121, 82, 179);

        color: rgb(255, 255, 255);

        /\*border-color:rgb(0, 0, 255);\*/ /\*by default talkes black\*/

        border: none;

        /\*border-style: solid;

        border-width: 0.5px;\*/

        height: 35px;

        width: 120px;

        cursor: pointer;

        margin-left: 10px;

        border-radius: 3px;

        font-weight: bold;

    }

    .download-button{

        background-color: rgb(255, 255, 255);

        color: rgb(108, 117, 125);

        border-color:rgb(108, 117, 125); /\*by default talkes black\*/

        /\*border: none;\*/

        border-style: solid;

        border-width: 0.5px;

        height: 35px;

        width: 120px;

        cursor: pointer;

        margin-left: 10px;

        border-radius: 3px;

        font-weight: bold;

    }

</style>

<button class="apply-button">

    Apply on company website

</button>

<button class="save-button">

    Save

</button>

<style>

    .apply-button{

        background-color: rgb(10, 102, 194);

        color: rgb(255, 255, 255);

        /\*border-color:rgb(0, 0, 255);\*/ /\*by default talkes black\*/

        border: none;

        /\*border-style: solid;

        border-width: 0.5px;\*/

        height: 35px;

        width: 215px;

        cursor: pointer;

        margin-left: 10px;

        border-radius: 50px;

        font-weight: bold;

    }

    .save-button{

        background-color: rgb(255, 255, 255);

        color: rgb(10, 102, 194);

        border-color:rgb(10, 102, 194); /\*by default talkes black\*/

        /\*border: none;\*/

        border-style: solid;

        border-width: 0.5px;

        height: 35px;

        width: 75px;

        cursor: pointer;

        margin-left: 10px;

        border-radius: 50px;

        font-weight: bold;

    }

</style>

<p>

<a href="https://www.amazon.in/?&tag=googhydrabk1-21&ref=pd\_sl\_5szpgfto9i\_e&adgrpid=155259813593&hvpone=&hvptwo=&hvadid=674893540034&hvpos=&hvnetw=g&hvrand=13002210963377832426&hvqmt=e&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9147983&hvtargid=kwd-64107830&hydadcr=14452\_2316413&gad\_source=1" class="link-styleing" target="\_blank">

    Back to amazon

</a>

</p>

<p class="Nike-alter">

    Nike Black Running shoes

</p>

<p class="instock">

    $39-in Stock.

</p>

<p>

    free Delivery tommorow

</p>

<style>

    .link-styleing{

        color: rgb(0,113,133);

    }

    .Nike-alter{

        color:black;

        font-weight:bold;

        font-size:xx-large;

    }

    .instock{

        color:rgb(0, 118, 0);

        font-weight:bold;

        font-size:large;

    }

</style>

**Pseudo class**

**Hover, transistions and shadows**

<button class="subscribe-button">

    Subscribe

</button>

<style>

    .subscribe-button{

        background-color: rgb(200, 0, 0);

        color: white;

        border-color:none; /\*by default talkes black\*/

        border: none;

        height: 35px;

        width: 90px;

        border-radius: 3px;

        cursor: pointer;

        margin-right: 10px;

        transition: opacity 1s;

    }

    .subscribe-button:hover{

        /\*background-color: aqua;\*/

        opacity: 0.7

    }

    .subscribe-button:active{

        /\*background-color:blue;\*/

        opacity:0.3

    }

</style>

<button class="join-button">

    JOIN

</button>

<style>

    .join-button{

        background-color: rgb(255, 255, 255);

        color: rgb(0, 0, 255);

        border-color:rgb(0, 0, 255); /\*by default talkes black\*/

        /\*border: none;\*/

        border-style: solid;

        border-width: 0.5px;

        height: 35px;

        width: 55px;

        border-radius: 3px;

        cursor: pointer;

        transition: background-color 1s, color 1s;

    }

    .join-button:hover{

        background-color:rgb(0, 0, 255);

        color: rgb(255, 255, 255);

    }

    .join-button:active{

        opacity: 0.7

    }

</style>

<button class="Tweet-button">

    Tweet

</button>

<style>

    .Tweet-button{

        background-color: rgb(28, 139, 243);

        color: rgb(255, 255, 255);

        /\*border-color:rgb(0, 0, 255);\*/ /\*by default talkes black\*/

        border: none;

        /\*border-style: solid;

        border-width: 0.5px;\*/

        height: 35px;

        width: 75px;

        border-radius: 50px;

        cursor: pointer;

        font-weight: bold;

        font-size:medium; /\* 15px \*/

        margin-left: 10px;

        transition: box-shadow 1s;

    }

    .Tweet-button:hover{

        box-shadow: 10px 10px 10px rgba(0, 0, 0, 0.5);

    }

</style>

**chrome dev tools – right click inspect, left top corner click, select from website search in computed FOR COLOR AND OTHER CSS PROPERTIES**

**chrome box model: how much space an element takes, how far it is from other elements(space and border)**

<button class="back-button">

    Back

</button>

<style>

    .back-button{

        padding-left : 17px;

        padding-right: 17px;

        padding-top: 10px;

        padding-bottom: 10px;

    }

</style>

<a href="https://www.youtube.com/watch?v=G3e-cpL7ofc&list=LL&index=2&t=3790s" class="one-link" target="\_blank">

    1

</a>

<style>

    .one-link{

        color:blueviolet;

        padding-left: 3px;

        padding-right: 3px;

    }

</style>

<a href="https://chatgpt.com/" class="two-link" target="\_blank">

    2

</a>

<style>

    .two-link{

        color:blueviolet;

        padding-left: 3px;

        padding-right: 3px;

    }

</style>

<a href="https://www.google.co.in/" class="three-link" target="\_blank">

    3

</a>

<style>

    .three-link{

        color:blueviolet;

        padding-left: 3px;

        padding-right: 3px;

    }

</style>

<button class="next-button">

    Next

</button>

<style>

    .next-button{

        padding-left : 17px;

        padding-right: 17px;

        padding-top: 10px;

        padding-bottom: 10px;

        margin-left: 2px;

    }

</style>

<button class="stretch-button">

    Stretch

</button>

<style>

    .stretch-button{

        padding-left : 17px;

        padding-right: 17px;

        padding-top: 10px;

        padding-bottom: 10px;

        background-color: rgb(29, 126, 27);

        color: white;

        font: size 18px;

        transition: padding-left 0.5s, padding-right 0.5s, padding-top 0.5s, padding-bottom 0.5s;

        cursor: pointer;

    }

    .stretch-button:hover{

        padding-left : 27px;

        padding-right: 27px;

        padding-top: 20px;

        padding-bottom: 20px;

    }

</style>

<button class="shadow-button">

    Shadow

</button>

<style>

    .shadow-button{

        padding-left : 17px;

        padding-right: 17px;

        padding-top: 10px;

        padding-bottom: 10px;

        background-color: rgb(29, 126, 27);

        color: white;

        font: size 18px;

        transition: padding-left 0.5s, padding-right 0.5s, padding-top 0.5s, padding-bottom 0.5s;

        cursor: pointer;

    }

    .shadow-button:active{

        margin-left: 2px;

        margin-top: 2px;

    }

</style>

<button class="onee-button">

    one

</button>

<button class="onee-button">

    two

</button>

<button class="onee-button">

    three

</button>

<style>

    .onee-button{

        padding-left : 17px;

        padding-right: 17px;

        padding-top: 10px;

        padding-bottom: 10px;

        background-color: rgb(29, 126, 27);

        color: white;

        font: size 18px;

        transition: padding-left 0.5s, padding-right 0.5s, padding-top 0.5s, padding-bottom 0.5s;

        cursor: pointer;

        margin-left: 10px;

        margin-right: 10px;

    }

    .onee-button:hover{

        padding-left : 27px;

        padding-right: 27px;

        margin-left: 0px;

        margin-right: 0px;

    }

</style>

**CSS TEXT STYLES AND CSS SPECIFICITY**

**TEXT ELEMENT IN TEXT**

<p class="video-title">

    Talking Tech and AI with Google CEO Sundar Pichai!

</p>

<p class="video-stats">

    3.4M views ·<!--middle dot html entity  &#183;--> 6 months ago

</p>

<p class="name-title">

    Marques Brownlee &#10003<!--✓-->

</p>

<p class="video-desp">

    Talking tech and AI on the heels of Google I/O. Also a daily driver phone reveal from Google's CEO. Shoutout to Sundar!

</p>

<p class="banner">

    Shop early for the best selection of holiday favourites. <span class="span-text">Shop now ></span>

</p>

<p class="tahoma">

    This is tahoma font

</p>

<p class="aerial">

    Biggest deals of the Year!

</p>

<p class="sale">

    Sales end tuesday

</p>

<p class="course">

    HTML CSS course

</p>

<p class="pro">

    Beginner to pro

</p>

<p class="width">

    In this course we will learn the skills you need to become the developer.

</p>

<button class="get">

    Get Started

</button>

<p class="shop">

    Shooping for your business?

</p>

<p class="shop2">

    See how apple at work help?

</p>

<span class="span-learn">

    Learn more >

</span>

<p class="span-usage">

    1049.69 <span class="span1">USD</span>

</p>

<style>

    .span1{

        color: grey;

    }

</style>

<style>

    p{

        font-family: arial;

        margin-top: 0px;

        margin-bottom: 0px;

    }

    .video-title{

        /\*font-family: arial;\*/

        font-weight: 700;

        font-size: 18px;

        width:300px;

        display:block;

        line-height: 24px;

        /\*margin-top: 0px;\*/

        margin-bottom:5px;

    }

    .video-stats{

        /\*font-family: arial;\*/

        font-size: 14px;

        color:rgb(96,96,96);

        /\*margin-top: 0px;\*/

        margin-bottom: 20px;

    }

    .name-title{

        /\*font-family: arial;\*/

        font-size: 14px;

        color:rgb(96,96,96);

        /\*margin-top:0px;\*/

        margin-bottom: 18px;

    }

    .video-desp{

        /\*font-family: arial;\*/

        font-size: 14px;

        color:rgb(96,96,96);

        margin-top:18px;

        /\*margin-bottom: 0px;\*/

        line-height: 20px;

        width: 284px;

        display: block;

    }

    .banner{

        font-size: 14px;

        color:white;

        background-color: rgb(227, 65, 64);

        margin-left: 0px;

        margin-right: 0px;

        margin-top: 75px;

        padding-left: 18px;

        padding-right: 18px;

        padding-top: 18px;

        padding-bottom: 18px;

        text-align: center;

        margin-bottom: 14px;

  ;

    }

    .span-text{

        cursor: pointer;

    }

    .span-text:hover{

        text-decoration: underline;

    }

    .tahoma{

        font-family: Tahoma;

        font-weight: bold;

        font-size: 40px;

    }

    .aerial{

        font-family: arial;

        font-weight: bold;

        font-size: 30px;

        margin-bottom: 8px;

    }

    .sale{

        font-style: italic;

        color: red;

    }

    .course{

        font-weight: bold;

        font-size: 20px;

        font-family: verdana;

        margin-bottom: 2px;

    }

    .pro{

        font-family: verdana;

        color: rgb(96,96,96);

        margin-bottom: 20px;

    }

    .width{

        width: 270px;

        margin-bottom: 10px;

    }

    .get{

        background-color: rgb(59, 212, 59);

        color: white;

        border-radius: 3px;

        border: none;

        font-family: verdana;

        font-weight: 50px;

        padding-left: 5px;

        padding-right: 5px;

        padding-top: 5px;

        padding-bottom: 5px;

        text-align: center;

    }

    .shop{

        font-family: arial;

        font-weight: bold;

        font-size: 30px;

        text-align: center;

        margin-bottom: 10px;

    }

    .shop2{

        font-family: Arial;

        font-size: 15px;

        text-align: center;

        margin-bottom: 10px;

    }

    .span-learn{

        color: rgb(0, 0, 255);

        text-decoration: underline;

        text-align: center;

        margin-bottom: 10px;

        display: block;

    }

</style>

<button class="buy">

    BUY

</button>

<style>

    .buy{

        background-color: rgb(0, 113, 227);

        color: white;

        padding-top: 7px;

        padding-bottom: 7px;

        padding-left: 15px;

        padding-right: 15px;

        border-radius: 30px;

        font-weight: bold;

        cursor: pointer;

        display: block;

        justify-content: center; /\* Centers text horizontally \*/

        align-items: center; /\* Centers text vertically \*/

        text-align: center; /\* Not necessary for flex but keeps text behavior consistent \*/

        margin: 0 auto;

    }

</style>

<p class="block-example">I am a block element</p>

<p class="block-example">I also take full width</p>

<style>

    .block-example {

    display: block;

    width: 500px;

    background: lightblue;

}

</style>

<span class="inline-example">I am inline</span>

<span class="inline-example">Me too!</span>

<style>

    .inline-example {

    display: inline;

    background: yellow;

}

</style>

<div class="inline-block-example">One</div>

<div class="inline-block-example">Two</div>

<style>

    .inline-block-example {

    display: inline-block;

    width: 100px;

    height: 50px;

    background: orange;

    text-align: center;

}

</style>

<div class="flex-container">

    <div class="flex-item"></div>

    <div class="flex-item"></div>

    <div class="flex-item"></div>

</div>

<style>

    .flex-container {

    display: flex;

    justify-content: center; /\* Center horizontally \*/

    align-items: center; /\* Center vertically \*/

    height: 100px;

    background: lightgray;

}

.flex-item {

    width: 50px;

    height: 50px;

    background: red;

    margin: 5px;

}

</style>

<!--<p>

    <strong>hello</strong>

    <u>World!</u>

</p>-->

**Html structure**

**Void elements- no need of closing tag link,img,input**

**In .html file**

<!DOCTYPE html>

<html>

    <head>

        <title>html structure</title>

        <link rel="stylesheet" href="styles/htmlstruct.css">

        <link rel="preconnect" href="https://fonts.googleapis.com">

        <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

        <link href="https://fonts.googleapis.com/css2?family=Roboto+Condensed:ital,wght@0,100..900;1,100..900&display=swap" rel="stylesheet">

    </head>

    <body>

        <p class="Model">

            Model 3

        </p>

        <p class="Order">

            Order online for <span class="text-span">Touchless Delivery</span>

        </p>

    </body>

</html>

**in .css file**

.Model{

    font-family: Roboto;

    font-weight: bold;

    font-size: 150px;

    text-align: center;

    padding-bottom: 5px;

}

.Order{

    font-family: Roboto;

    font-size: 50px;

    text-align: center;

    padding-bottom: 5px;

}

.text-span{

    text-decoration: underline;

}

**BLOCK ELEMENT – TAKES UP THE ENTIRE LINE**

**INLINE – BLOCK ELEMENT – TAKES UP SPACE AS MUCH AS NEEDED**

**INLINE ELEMENT- APPEAR WITHIN THE LINE OF TEXT**

**<div> is block element hence takes up the entire line**

**Div’s are containers used in layout**

**Div’s are used for nested layouts**

**Inline Styles – writing css within html line**

**Grid: rigid layout**

**Flexbox: flexible layout**

**Flexbox- spread and adjust the content horizontally**

**Grids- grids**

**Layouts – nested layouts or grids also possible with flexbox**