

# HTML TASKS

Task 1 : Use <ul> or <ol> and create a nested ul/ol tags to display the following details.

## Web Technologies

### I. HTML

#### 1. Normal Elements

- a. Bold
- b. Italics

#### 2. Void Elements

- a. Image
- b. Link

### II. Java Script

#### 1. Variables

- a. Var
- b. Let

#### 2. Data Types

- a. Number
- b. String

```
<!DOCTYPE html>

<html lang="en">

<head>

    <title>Html Homework</title>

</head>

<body>
```

```
<ol type="I">

  <li>HTML</li>

  <ol type="1">

    <li>Normal Elements</li>

    <ol type="a">

      <li>Bold</li>

      <li>Italics</li>

    </ol>

    <li>Void Elements</li>

    <ol type="a">

      <li>Image</li>

      <li>Link</li>

    </ol>

  </ol>

</ol>

<li>Java Script</li>

<ol type="1">

  <li>Variables</li>

  <ol type="a">
```

```
        <li>Var</li>

        <li>Let</li>

    </ol>

    <li>Data Type</li>

    <ol type="a">

        <li>Number</li>

        <li>String</li>

    </ol>

</ol>

</ol>

</ol>

</body>

</html>
```

I. HTML
1. Normal Elements
a. Bold
b. Italics
2. Void Elements
a. Image
b. Link
II. Java Script
1. Variables
a. Var
b. Let
2. Data Type
a. Number
b. String

Task 2 :: create the table with the following structure.

Column 1	Column 2	Column 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1		

Hint : Use rowspan and colspan attributes.

Table		
Column 1	Column 2	Column 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1		

```
<!DOCTYPE html>

<html lang="en">

<head>

  <style>

    table, th, td {

      border: 1px solid black;

      border-collapse: collapse;

      padding: 6px;

    }

  </style>

  <title>Table</title>

</head>

<body>
```

```
<table>

  <caption align="center">Table</caption>

  <tr>


    <th>

      Column 1

    </th>


    <th>

      Column 2

    </th>


    <th>

      Column 3

    </th>


  </tr>


  <tr>

    <th rowspan="2"> Row 1 Cell 1</th>

    <th>Row 1 Cell 2</th>

    <td>Row 1 Cell 3</td>
```

```
</tr>
```

```
<tr>
```

```
  <th>Row 2 Cell 2</th>
```

```
  <td>Row 2 Cell 3</td>
```

```
</tr>
```

```
<tr>
```

```
  <th rowspan="2">Row 3 Cell 1 </th>
```

```
  <td></td>
```

```
</tr>
```

```
<tr></tr>
```

```
</table>
```

```
</body>
```

```
</html>
```

Task 3 :: Display the image and the text one besides the other. Align the image in either left side or at right side.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Minima aspernatur tempore optio possimus saepe. Labore, vitae recusandae temporibus tempore perspiciatis enim placeat itaque impedit commodi alias totam voluptatibus. Sequi, non.



```
<style>

  #hp  {

    float: right;

    margin: 0 0 0 15px;

  }

</style>

<head>

  <title>textImage</title>

</head>
```



```
<body>

<p>

  Lorem ipsum dolor sit amet consectetur adipisicing elit. Minima
  aspernatur tempore optio possimus saepe.

  Labore, vitae recusandae temporibus tempore perspiciatis enim placeat
  itaque

  impedit commodi alias totam voluptatibus. Sequi, non.

</p>

</body>
```

Task 4 :: Use anchor tag and link to various documents. It should link to

1. A pdf file.
2. An image should be displayed on the browser.
3. It needs to be linked with URL. (some web site)

[This is a pdf file](#)



```
<style>

    #hp {

        float: right;

        margin: 0 0 0 15px;

    }

</style>

<head>

    <title>Image and link</title>

</head>

<body>

<p><h1> <a
href="https://web.stanford.edu/group/csp/cs21/htmlcheatsheet.pdf"</a> This
is a pdf file  </h1> </p>

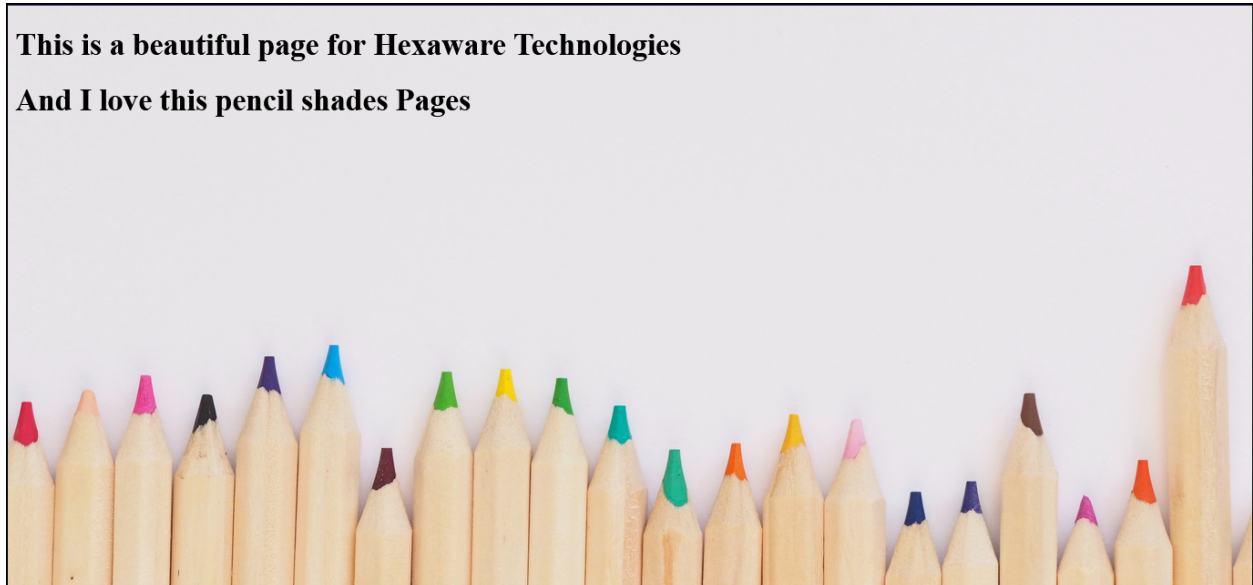
<a href="https://en.wikipedia.org/wiki/Spider-Man" ></a>

</body>
```

Task 5 :: Create a home page with a background image rather than page having a color.

Use the properties of <body> and hint is background.

Note :: Image should be displayed just like watermark. Image should not dominate the text or the components displayed above.



```
<style>

body {

    background-image: url('pexels-jess-bailey-designs-743986.jpg');

    background-repeat: no-repeat;

    background-attachment: fixed;

    background-size: 100% 100%;

}

</style>

<title>Image Background</title>
```

```
<head>

</head>

<body>

  <div>

<p>

  <h1>

    This is a beautiful page for Hexaware Technologies

  </h1>

  <h1>

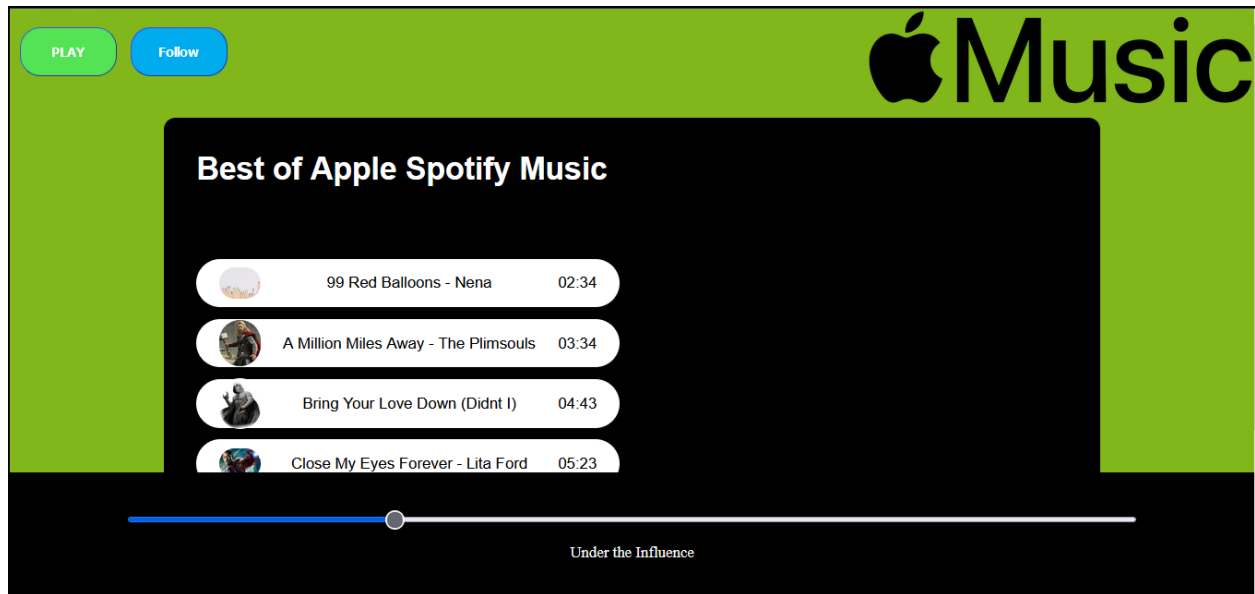
    And I love this pencil shades Pages

  </h1>

</p>  </div>

</body>
```

Task 6 :: Create a audio playlist page just like the template of either gaana website or spotify web site.



```
<style>

*{

    margin: 0;

    padding: 0;

}

nav{

    font-family: 'Ubuntu', sans-serif;

}

nav ul{

    display: flex;
```

```
    align-items: center;

    list-style-type: none;

    height: 65px;

    background-color: black;

    color: white;
}

nav ul li{

    padding: 0 12px;
}

.brand img{

    width: 44px;

    padding: 0 8px;
}

.brand {

    display: flex;

    align-items: center;

    font-weight: bolder;

    font-size: 1.3rem;
}

.container{
```

```
    min-height: 72vh;

    background-color: black;

    color: white;

    font-family: 'Varela Round', sans-serif;

    display: flex;

    margin: 23px auto;

    width: 70%;

    border-radius: 12px;

    padding: 34px;

    background-image: url('bg.jpg');
}
```

```
.bottom{

    position: sticky;

    bottom: 0;

    height: 130px;

    background-color: black;

    color: white;

    display: flex;

    justify-content: center;

    align-items: center;

    flex-direction: column;
}
```

```
.icons{

    margin-top: 14px;

}

#myProgressBar{

    width: 80vw;

    cursor: pointer;

}

.songItemContainer{

    margin-top: 74px;

}

.songItem{

    height: 50px;

    display: flex;

    background-color: white;

    color: black;

    margin: 12px 0;

    justify-content: space-between;

    align-items: center;
```



```
border-radius: 34px;
}

.songItem img{

    width: 43px;

    margin: 0 23px;

    border-radius: 34px;
}

.timestamp{

    margin: 0 23px;
}

.timestamp i{

    cursor: pointer;
}

.songInfo img{

    opacity: 0;

    transition: opacity 0.4s ease-in;
}
```

```
body {  
  
    background-color: #81b71a;  
  
    background-repeat: no-repeat;  
  
    background-attachment: fixed;  
  
    background-size: 100% 100%;  
  
}  
  
#hp {  
  
    float: right;  
  
    margin: 0 0 0 150px;  
  
}  
  
.play-button{  
background-color: rgb(84, 227, 84);  
  
color: white ;  
  
border-color: rgb(76, 76, 216);  
  
border-width: 1px;  
  
border-radius: 20px;
```

```
cursor: pointer;

height: 50px;

width: 100px;

font-weight: bold;

margin-left: 10px;

margin-bottom: 20px ;

}

.follow-button{

background-color: #00acee ;

color: white ;

border-color: rgb(76, 76, 216);

border-width: 1px;

border-radius: 20px;

cursor: pointer;

height: 50px;

width: 100px;

font-weight: bold;

margin-left: 10px;

margin-bottom: 20px ;

}
```

```
</style>

<head>

  <title>Spotify</title>

</head>

<body>


<br>

<ul>

  <li> <button class="play-button" >

    PLAY

  </button>

  <button class = "follow-button">

    Follow

  </button>

</li>

</ul>


<div class="container">
```

```
<div class="songList">

  <h1>Best of Apple Spotify Music</h1>

  <div class="songItemContainer">

    <div class="songItem">

      <img src = "images\pexels-jess-bailey-designs-743986.jpg"
alt="1">

      <span class="songName">99 Red Balloons - Nena</span>

      <span class="songlistplay"><span class="timestamp">02:34
<i id="0" class="far songItemPlay fa-play-circle"></i> </span></span>

    </div>

    <div class="songItem">

      <img src = "images\thor.jpg" alt="1">

      <span class="songName">A Million Miles Away - The
Plimsouls</span>

      <span class="songlistplay"><span class="timestamp">03:34
<i id="1" class="far songItemPlay fa-play-circle"></i> </span></span>

    </div>

    <div class="songItem">

      <img src = "images\moonknight.jpg"alt="1">

      <span class="songName">Bring Your Love Down (Didnt
I)</span>

      <span class="songlistplay"><span class="timestamp">04:43
<i id="2" class="far songItemPlay fa-play-circle"></i> </span></span>

    </div>

    <div class="songItem">

      <img src = "images\ironman.jpg" alt="1">
```

```
        <span class="songName">Close My Eyes Forever - Lita
Ford</span>

        <span class="songlistplay"><span class="timestamp">05:23
<i id="3" class="far songItemPlay fa-play-circle"></i> </span></span>

    </div>

    <div class="songItem">

        <img src = "images\deadpool.jpg" alt="1">

        <span class="songName">Danger Zone - Kenny Loggins</span>

        <span class="songlistplay"><span class="timestamp">07:01
<i id="4" class="far songItemPlay fa-play-circle"></i> </span></span>

    </div>


    <div class="songItem">

        <img src = "images\bello.jpg"alt="1">

        <span class="songName">Let me Love You</span>

        <span class="songlistplay"><span class="timestamp">04:40
<i id="9" class="far songItemPlay fa-play-circle"></i> </span></span>

    </div>

</div>

</div>

<div class="songBanner"></div>

</div>

<div class="bottom">
```

```

        <input type="range" name="range" id="myProgressBar" min="0" value="0"
max="100">

        <div class="icons">

            <!-- fontawesome icons -->

            <i class="fas fa-3x fa-step-backward" id="previous"></i>

            <i class="far fa-3x fa-play-circle" id="masterPlay"></i>

            <i class="fas fa-3x fa-step-forward" id="next"></i>

        </div>

        <div class="songInfo">

            <span id="masterSongName"> Under the Influence </span>

        </div>
    </div>

</body>

```

Task 7 : Create a video playlist page and display the page with the reviews and ratings for the video similar to youtube.

```

<style>

    *, *::before, *::after {

        box-sizing: border-box;
    }

```

```
font-family: Roboto, Arial, Helvetica, sans-serif;

}

body {

margin: 0;

}

.video-section {

display: grid;

grid-template-columns: repeat(auto-fill, minmax(250px, 1fr));

gap: 3rem 1rem;

padding: 3rem 0;

margin: 0 1.5rem;

border-top: 4px solid #CCC;

}

.video-container {

display: flex;

flex-direction: column;

}

.thumbnail {
```



```
    position: relative;

    display: flex;
}

.thumbnail-image {

    width: 100%;

    height: 100%;

    min-width: 250px;

    min-height: 150px;

    background-color: #AAA;
}

.video-title {

    font-size: 1.1rem;

    font-weight: bold;

    margin-bottom: .5rem;

    text-decoration: none;

    color: black;
}

.video-channel-name {

    margin-bottom: .1rem;

    text-decoration: none;
```

```
    transition: color 150ms;

}

.video-channel-name:hover {

    color: #111;

}

.header {

    display: flex;

    justify-content: space-between;

    align-items: center;

    padding: 1rem;

}

.youtube-logo {

    height: 100px;

    width: 150x;

    border-radius: 15px;

}

</style>
```

```
<body>

  <header class="header">

    <a href="#">

    </a>

  </div>

</header>

<div class="categories">

  <section class="category-section">

    <button class="category active">All</button>

    <button class="category">Category 1</button>

    <button class="category">Category 2</button>

  </section>

</div>

<div class="videos">

  <section class="video-section">

    <article class="video-container">

      <a href="#" class="thumbnail" data-duration="10:12">


```

```
</a>

<div class="video-bottom-section">

  <a href="#">

  </a>

  <div class="video-details">

    <a href="#" class="video-title">Video Title</a>

    <a href="#" class="video-channel-name">Channel Name</a>

    <div class="video-metadata">

      <span>100K views</span>

      <span>14 week ago</span>

    </div>

  </div>

</div>

</article>

<article class="video-container">

  <a href="#" class="thumbnail" data-duration="50:34">

  </a>

  <div class="video-bottom-section">

    <a href="#">
```

```
        

    </a>

    <div class="video-details">

        <a href="#" class="video-title">Video Title</a>

        <a href="#" class="video-channel-name">Channel Name</a>

        <div class="video-metadata">

            <span>150K views</span>

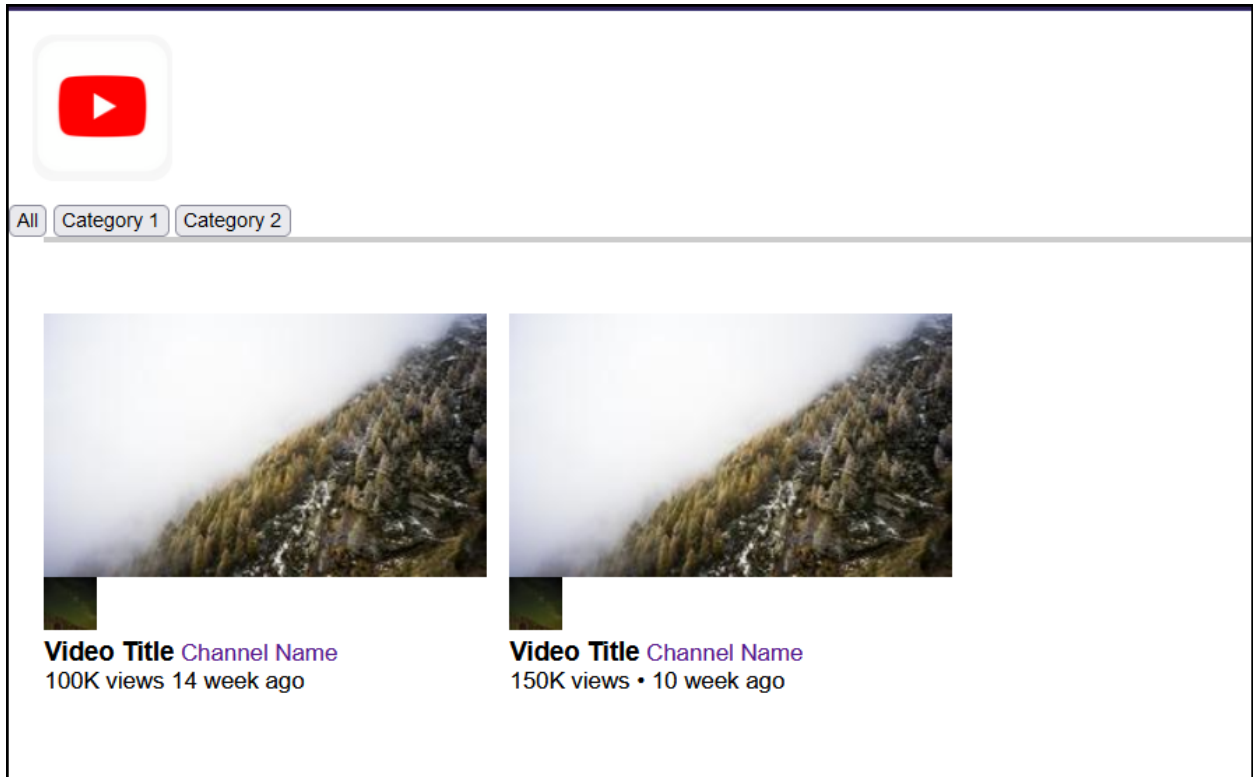
            •

            <span>10 week ago</span>

        </div>

    </div>

</div>
```



Task 8: Create a Register page that displays html 5 components like  
<fieldset><legend><meter><date>

```
<!DOCTYPE html>

<html lang="en">

<head>

    <title>Register page </title>

</head>

<body>
```

```
<form action="/action_page.php">

  <fieldset>

    <legend>Information:</legend>

    <label for="fname">First name:</label>

    <input type="text" id="fname" name="fname"><br><br>

    <label for="lname">Last name:</label>

    <input type="text" id="lname" name="lname"><br><br>

    <label for="email">Email:</label>

    <input type="email" id="email" name="email"><br><br>

    <label for="birthday">Birthday:</label>

    <input type="date" id="birthday" name="birthday"><br><br>

    <input type="submit" value="Submit">

  </fieldset>

</form>
```

```
<label for="disk_d">Space Used</label>

<meter id="disk_d" value="0.75">75%</meter>
```

```
</body>
```

```
</html>
```

Information:

First name:

Last name:

Email:

Birthday:

Submit

Space Used

Task 9: Is it possible to decorate the Field Set without using CSS.

Answer : No , there might be some clever techniques but they are very cumbersome .

Task 10 :: Use patterns for all the User Interface component that you have learned

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```



```
<title>User Interface</title>

</head>

<body>

<p>

  <ol>

    <li>At least 1 Uppercase</li>

    <li>At least 1 Lowercase</li>

    <li> At least 1 Number</li>

    <li>At least 1 Symbol, symbol allowed --> !@#$%^&* _+=-</li>

    <li>Min 6 chars and Max 10 chars</li>

  </ol>

</p>

  <form>

    Password <input type="text"
pattern="^(?=.*[a-z]) (?=.*[A-Z]) (?=.*[0-9]) (?=.*[!@#$%^&* _+=-]).{6,10}$"
/>

    <input type="submit" value="Submit" />

  </form>

</body>

</html>
```

1. At least 1 Uppercase
2. At least 1 Lowercase
3. At least 1 Number
4. At least 1 Symbol, symbol allowed --> !@#\$%^&\* \_+=-
5. Min 8 chars and Max 12 chars

Password