WAD Lab Report

Course Title   : Web Application Design Lab

Course Code   : CSE0613124

Lab no.   : 06

Topic   : Using Page Layout Tags/Elements

Submitted to:

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Batch   : 55

Department   : CSE

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__Introduction__

This is the Lab Report for Lab-06 of the Web Application Design course. In this lab, we learned about HTML Page Layout tags. We learned about many Layout Elements such as Header, Footer, Section, etc and Layout tags like Semantic and non-semantic tags. Here's a brief explanation:

- <u>HTML Page layout:</u>

<u>Tags used in the Lab:</u>
There are multiple types of HTML Layout elements. We mostly learned about semantic tags,

  o <header></header> which defines a header for a document or a section.
  o <section></section> which defines a section in a document
  o <footer></footer> which defines a footer for a document or a section
  o <nav></nav> which defines a set of navigation links

<u>Other tags and attributes:</u>

  o We also learned about some CSS attributes like {margin:auto;}, which is an easy alternative for {justify-content:center;display:flex;} for centering a block of elements. It's also easier than using <br> for vertical spacing and   for horizontal spacing
  o There are 2 non-semantic tags:
    ▪ <div></div> which are used for styling a block of elements and
    ▪ which are used for inline styling

In this Lab Report Task, we needed to make an HTML page that uses Layout elements. We learned that these elements serve no real purpose other than creating meaningful page sections. Because they can be easily replaced with Div and Span tags.

Lab Work Code:

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

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Lab 06</title>
    <style>
      a {
         text-decoration: none;
         color: black
      }
    </style>

</head>

<body style="background-color: rgba(0, 0, 0, 0.507);text-shadow: 1px 1px 5px black;">
    <br>

    <!-- <div style="justify-content: center;display: flex;"> -->
    <header
       style="background-color:rgba(7, 138, 253, 0.568);color: aliceblue;border-radius:
15px 15px 15px 15px;width:95%;margin: auto;">
       <h2 style="margin:auto;text-align: center;padding:2%;">University of Information
Technology
         and
         Sciences</h2>
    </header>
    <!-- </div> -->

    <br>
    <h1 style="color: aliceblue;justify-content:center; text-align: center;">Introduction
about Nature</h1>

    <!-- style="justify-content: center;display:flex" -->
    <!-- INSTEAD WE CAN USE  -->
    <!-- margin: auto; -->

    <table>
      <tr>
        <td
          style="background-color: rgba(0, 0, 0, 0.37);  background-image:
url('tree.webp'); background-size:cover; padding: 10%; color: rgb(217, 255, 0); box-
shadow: 0px 0px 10px 1px black; border-radius: 2%;margin: auto;width:80%;">
```

```
                    <div style="background-color: rgba(0, 0, 0, 0.233);">
                  <p>
                    <!-- <span style="outline:black; border: 1px solid black;"> -->
                    Nature is that natural and physical
                    world that surrounds us and makes life possible on earth. Nature is the heart
of earth.
                    Nature heals us
                    and
                    helps build connection with our freedom, authenticity and our souls. Simply
connecting and
                    feeling
                    nature
                    gives
                    us a divine pleasure. We have a strong bond and emotional connection with
nature.
                    <br>
                    The serenity of nature calms our hearts. The stillness and movement in
nature both have a
                    hypnotizing
                    effect.
                    The unfolding creativity of nature is an art. It is alluring to experience
solitude with
                    nature. The
                    practice of
                    devoting ourselves to the bliss of nature is soothing and reviving. Everyone
loves to escape
                    away in the
                    mysteries of nature.
                    <!-- </span> -->
                  </p>
                </div>
            </td>
        </tr>
    </table>

    <br><br>

    <section>
        <h1 align="center" style="color: aliceblue;">Etymology</h1>
        <article
            style="background-color: aliceblue;color: rgb(0, 0, 0);padding: 2%; text-align:
center;border-radius: 5px 5px 5px 5px;margin: auto;width: 80%;">
            The word nature is borrowed from the Old French nature and is derived from the
Latin word natura, or
            "essential qualities, innate disposition", and in ancient times, literally meant
"birth".[5] In ancient
```
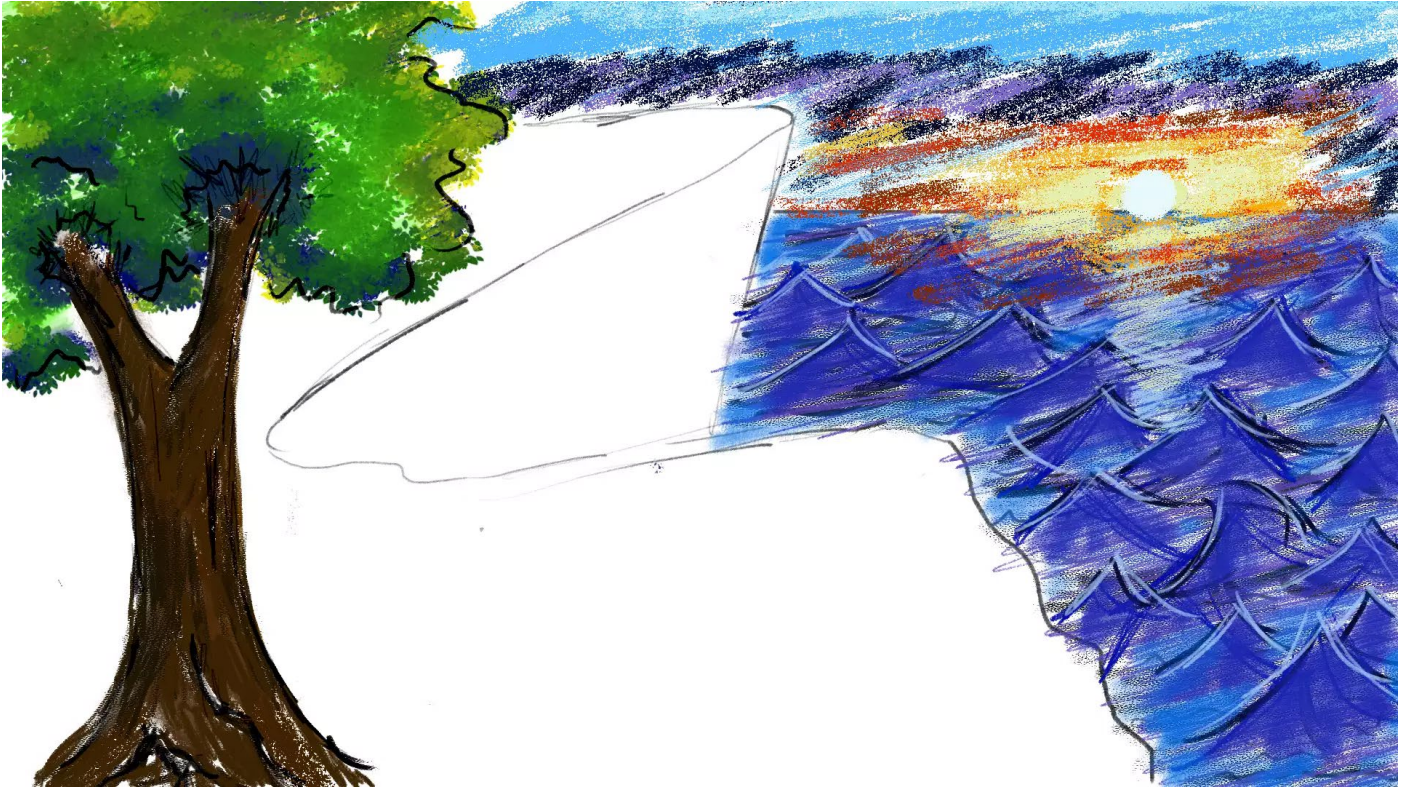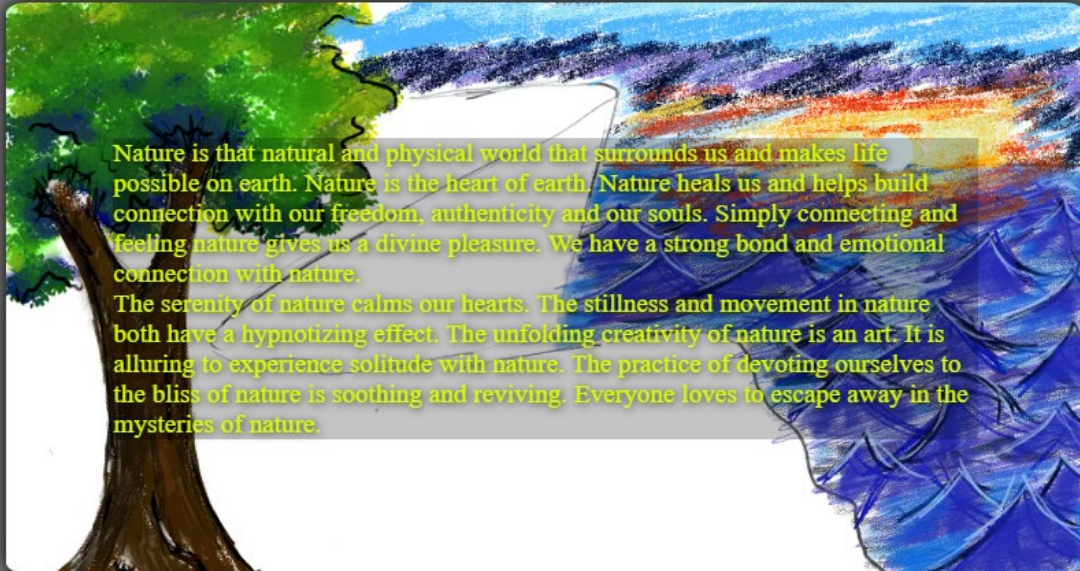
```
        philosophy, natura is mostly used as the Latin translation of the Greek word physis
(φύσις), which
        originally related to the intrinsic characteristics of plants, animals, and other
features of the world
        to
        develop of their own accord.[6][7] The concept of nature as a whole, the physical
universe, is one of
        several expansions of the original notion;[2] it began with certain core applications
of the word φύσις
        by
        pre-Socratic philosophers (though this word had a dynamic dimension then,
especially for Heraclitus),
        and
        has steadily gained currency ever since.
    </article>
  </section>

  <br><br>

  <nav align="center"
    style="background-color: aliceblue; padding: 5%; ; text-decoration: none;border-
radius: 10px 10px 10px 10px; box-shadow: 1px 1px 10px black;justify-content:center;text-
align: center; font-size: large; width: 80%;margin: auto;">
    <a href="#">About</a>
        
    <a href="#">Contacts</a>
        
    <a href="#">FAQ</a>
        
    <a href="#">Copyright</a>
        
  </nav>

  <br><br><br>

  <footer>
    <p
      style="margin:auto;text-align: center;background-color: aliceblue;width:
80%;border-radius:5px 5px 5px 5px; padding: 2%;">
      © 2022 University of Information Technology & Sciences (UITS). All Rights
Reserved.
      Developed and maintained by ICT Cell, UITS</p>
  </footer>
  <br>

</body>
```

```
</html>
```

File: tree.webp (I drew it myself)

Lab Code Output:

University of Information Technology and Sciences

Introduction about Nature

Nature is that natural and physical world that surrounds us and makes life possible on earth. Nature is the heart of earth. Nature heals us and helps build connection with our freedom, authenticity and our souls. Simply connecting and feeling nature gives us a divine pleasure. We have a strong bond and emotional connection with nature.

The serenity of nature calms our hearts. The stillness and movement in nature both have a hypnotizing effect. The unfolding creativity of nature is an art. It is alluring to experience solitude with nature. The practice of devoting ourselves to the bliss of nature is soothing and reviving. Everyone loves to escape away in the mysteries of nature.

Etymology

The word nature is borrowed from the Old French nature and is derived from the Latin word natura, or "essential qualities, innate disposition", and in ancient times, literally meant "birth".[5] In ancient philosophy, natura is mostly used as the Latin translation of the Greek word physis (φύσις), which originally related to the intrinsic characteristics of plants, animals, and other features of the world to develop of their own accord.[6][7] The concept of nature as a whole, the physical universe, is one of several expansions of the original notion;[2] it began with certain core applications of the word φύσις by pre-Socratic philosophers (though this word had a dynamic dimension then, especially for Heraclitus), and has steadily gained currency ever since.

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