PRACTICAL – 3 AND 4

AIM:

PRACTICAL-3

Task: Travel Blog Page

● Objective: Create a blog page about a travel destination, including
images and embedded media.

● Activities:

○ Write a blog post about your favorite travel destination.

○ Add images with proper alt text.

○ Embed a video related to the destination.

○ Include links to more information about the destination.

PRACTICAL-4

Task: Create a Blog Page with Semantic Elements

● Objective: Use semantic HTML5 elements to create a structured blog page.

● Activities:

○ Use <header>, <nav>, <article>, <section>,

and <footer> tags.

○ Create a blog post with a title, date, and content.

○ Include a navigation menu in the header and related

posts in a sidebar.

CODE:

HTML :

Lab 3: Links, Images, and Media

Task: Travel Blog Page

● Objective: Create a blog page about a travel destination, including

   images and embedded media.

● Activities:

○ Write a blog post about your favorite travel destination.

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practical - 4

Semantic HTML

Task: Create a Blog Page with Semantic Elements

● Objective: Use semantic HTML5 elements to create a structured blog page.

● Activities:

○ Use <header>, <nav>, <article>, <section>,

and <footer> tags.

○ Create a blog post with a title, date, and content.

○ Include a navigation menu in the header and related

posts in a sidebar.


```html
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
    <title>Aurora Borealis Travel Blog</title>

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

</head>

<body>

    <header>

        <div class="container">

            <h1>Aurora Borealis Travel Blog</h1>

            <nav>

                <ul>

                    <li><a href="#home">Home</a></li>

                    <li><a href="#about">About</a></li>

                    <li><a href="#blog">Blog</a></li>

                    <li><a href="#contact">Contact</a></li>

                </ul>

            </nav>

        </div>


        <div>

            <input type="datetime-local" name="date" id="date">

        </div>

    </header>
```

```html
    <main>

        <section id="home">

            <div class="container">

                <h2>Welcome to Aurora Borealis Travel Blog</h2>

                <p>Explore the magical beauty of the Northern Lights through
our blog posts and travel guides.</p>

            </div>

        </section>


        <section id="about">

            <div class="container">

                <h2>About Aurora Borealis</h2>

                <p><b></b>What is the Aurora Borealis?</b>


                    The Aurora Borealis is a natural light display seen in the
high-latitude regions around the Arctic. This breathtaking phenomenon creates
curtains of colorful light that dance across the night sky, casting a magical
glow. The Southern Hemisphere counterpart is known as the Aurora
Australis.<br>


                    <b>How Does the Aurora Borealis Form?</b><br>


                <b>Solar Wind:</b> Our Sun continuously emits a stream of
charged particles called solar wind.  <br>
```

`<b>`Earth's Magnetic Field:`</b>` When these particles reach Earth, they interact with our planet's magnetic field. `<br>`

`<b>`Atmospheric Interaction:`</b>` The solar wind particles collide with gases in

Earth's atmosphere, such as oxygen and nitrogen. `<br>`

`<b>`Light Emission:`</b>` These collisions excite the gases, causing them to emit light as they return to their normal state. This results in the vibrant colors of the auroras. `<br>` `<b>`Colors and Shapes of the Aurora Borealis`</b>` `<br>`

`<b>` Colors:`</b>` The colors of the aurora vary depending on the gases involved and their altitude. Green is the most common, produced by oxygen molecules at lower altitudes. Red, purple, and pink hues can also appear due to different interactions with nitrogen and oxygen at various altitudes. `<br>`

`<b>` Shapes: `</b>`The aurora can manifest in various shapes, including arcs, curtains, and rays. These shapes are influenced by the Earth's magnetic field and the intensity of the solar wind. `<br>`

`<b>`Best Places and Times to See the Aurora Borealis`</b>` `<br>`

`<b>`Locations:`</b>` The best places to witness the Aurora Borealis are within the auroral zone, which includes northern Norway, Sweden, Finland, Canada, Alaska, and Russia. `<br>`

```
              <b> Timing: </b>The optimal time to view the Northern
Lights is during winter months, when the nights are longest and skies are
darkest. Peak viewing season typically runs from September to March.  <br>




               <b>Solar Activity: </b>Auroras are more frequent and intense
during periods of high solar activity, known as solar maximum. Keeping an eye
on solar forecasts can help you catch a spectacular display.  <br>




         <b>Cultural Significance and Folklore</b>  <br>




     <b>The Aurora Borealis has inspired myths and legends across various
cultures:</b>  <br>




    <b>Norse Mythology:</b> In Norse mythology, the lights were believed to be
reflections of the Valkyries' armor as they guided souls to Valhalla.  <br>




<b>Indigenous Cultures:</b> In some Native American cultures, the aurora is
seen as the spirits of ancestors playing a celestial game.  <br>




<b>How to Photograph the Aurora Borealis</b>  <br>




<b> Equipment: </b>Use a camera with manual settings, a sturdy tripod, and a
wide-angle lens.  <br>


               <br>

<b> Settings: </b>Opt for a long exposure time (typically between 5-30
seconds), high ISO (800-3200), and a wide aperture (f/2.8 or lower).
```

```html
<b> Location:</b> Find a dark area away from city lights. Check the aurora
forecast for the best times and conditions.

                  <br>

<b>Patience:</b> Auroras can be unpredictable, so patience and persistence are
key.</p>  <br>

          <p>...</p> <!-- More about the Aurora Borealis -->

       </div>

     </section>



     <section id="blog">

        <div class="container">

          <h2>Latest Blog Posts and Videos</h2>

          <!-- Blog post previews -->

          <div class="blog-post">

            <h3>ALL LATEST POSTS ABOUT THESE BEAUTIFUL COLORING

LIGHTS IN THE SKY</h3>

              <div id="image1">

                <img src="pexels-tobiasbjorkli-2113558.jpg"
alt="image1" width="350px" height="350px"> 

                <img src="pexels-therato-1933239.jpg" alt="image1"
width="350px" height="350px"> 

                <img src="pexels-tobiasbjorkli-1562058.jpg"
alt="image1" width="350px" height="350px"> 

                <img src="pexels-therato-3081835.jpg" alt="image1"
width="350px" height="350px">  <br><br>
```

```html
</div>

              <h3>ALL LATEST VIDEOS ABOUT THESE BEAUTIFUL COLORING
LIGHTS IN THE SKY</h3><br>

              <iframe width="480" height="315"

src="https://www.youtube.com/embed/miqbNFmbN2Q?si=3BQmLeW0uh_8_tHG"
title="YouTube video player" frameborder="0" allow="accelerometer; autoplay;
clipboardwrite; encrypted-media; gyroscope; picture-in-picture; web-share"
referrerpolicy="strictorigin-when-cross-origin"
allowfullscreen></iframe> 

              <iframe width="480" height="315"

src="https://www.youtube.com/embed/xUlnBw1SrOc?si=nSudy9zdxB3MvvKf"
title="YouTube video player" frameborder="0" allow="accelerometer; autoplay;
clipboardwrite; encrypted-media; gyroscope; picture-in-picture; web-share"
referrerpolicy="strictorigin-when-cross-origin"
allowfullscreen></iframe> 

              <iframe width="480" height="315"

src="https://www.youtube.com/embed/oJDzh2mVBms?si=q9qPXWyfnfFLVpEF"
title="YouTube video player" frameborder="0" allow="accelerometer; autoplay;
clipboardwrite; encrypted-media; gyroscope; picture-in-picture; web-share"
referrerpolicy="strictorigin-when-cross-origin"
allowfullscreen></iframe><BR><BR>

              <p><b>POST SUMMARY....... <br></b>


              The Aurora Borealis is more than just a light show;
it's a breathtaking display of natural beauty and a reminder of the intricate
connection between our planet and the cosmos. Whether you're a seasoned
traveler or a first-time viewer, witnessing the Northern Lights is a magical
experience that will leave you in awe.


              As you plan your aurora adventure, remember to check
solar forecasts, dress warmly, and prepare your camera gear. Here's to clear
skies and dancing lights—may you capture and cherish the wonders of the Aurora
Borealis!</p>
```

```html
                <a href="vikipedia.html" target="_blank">Read more</a>

            </div>

            <!-- Repeat for more posts -->

        </div>

    </section>



    <section id="contact">

        <div class="container">

            <h2>Contact Us</h2>

            <p>Get in touch with us to share your experiences or ask
questions about the Aurora Borealis.</p>

            <!-- Contact form or contact information -->

        </div>

    </section>

</main>



<footer>

    <div class="container">

        <p>&copy; 2024 Aurora Borealis Travel Blog. All rights
reserved.</p>

    </div>

</footer>

</body>

</html>
```

CSS :

```css
/* Reset some default styles */
* {
    /* box-sizing: border-box;
*/    margin: 0;    padding:
0;

}

/* Basic styling */ body
{     font-family: Arial, sans-
serif;     line-height: 1.6;
background-color: #f0f0f0;
color: #333;
}

.container
{     width: 80%;
margin: auto;
padding: 20px;
```

```css
}

main {      background-color:rgb(255, 216, 164);
}  header {      background-color: #333;      color: #fff;
padding: 10px 0;      text-align: center;
}  header h1 {      margin: 0;      font-size: 2em;
}  nav ul {      list-style-type: none;      padding: 0;
}  nav ul li {      display: inline;      margin-right: 20px;
}  nav ul li a {      color: #fff;      text-decoration: none;
font-size: 1.2em;
}
nav ul li a:hover {      text-decoration: underline;
}  main {      padding: 20px 0;
}  section {      padding: 20px 0;
}  section h2 {      font-size: 2em;
```
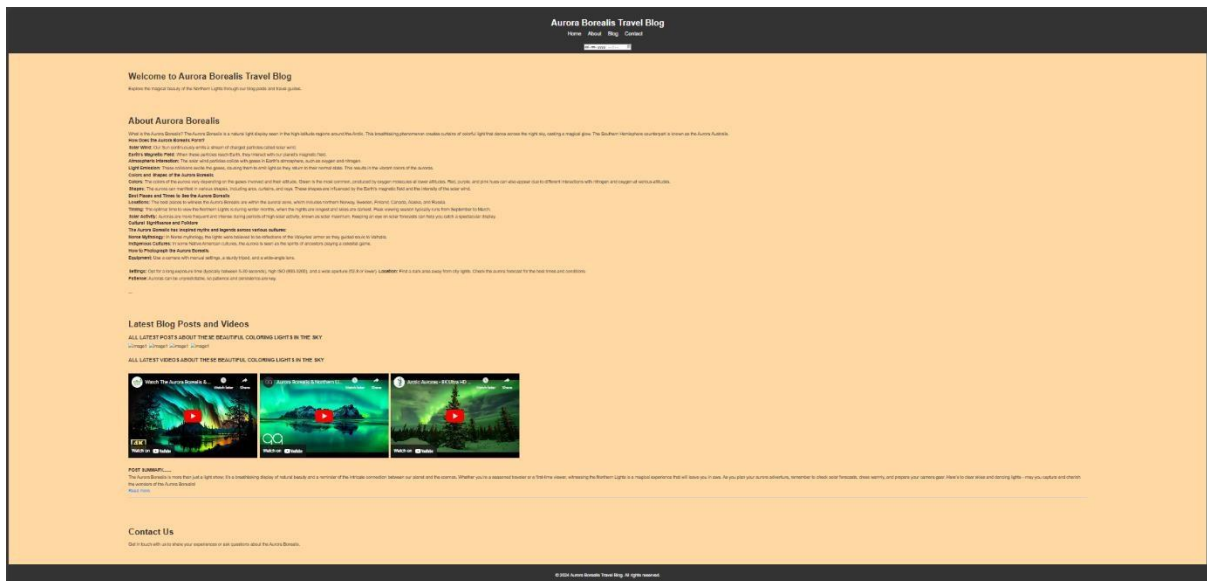
```css
    margin-bottom: 10px;
}

.blog-post {      margin-bottom:
20px;     border-bottom: 1px
solid #ccc;     padding-bottom:
10px;
}

.blog-post h3 {
    margin-bottom: 5px;
}

.blog-post a {     text-
decoration: none;     color:
#007bff;
}

.blog-post a:hover {     text-
decoration: underline;
}  footer {     text-
align: center;
padding: 10px 0;
background-color: #333;
color: #fff;
    /* position: absolute;
*/     bottom: 0;     width:
100%;
}
```

OUTPUT :

DISCRIPTION :

NAV TAG : UE TO NAVIGATE AROUND THE HEADER OF THE WEBSITE

HEADER TAG : USE TO ADD DATA INSIDE THE HEADER ONLY OF THE WEBSITE

MAIN TAG : USE TO ADD DATA INSIDE THE MAIN SECTIONOF THE WEBSITE

FOOTER TAG : USE TO ADD THE FOOTER TO THE WEBSITS

&NBSP : TO GIVE SPACE BETWEEN THE TWO ELEMENTS

CLASS : USE TO ACCESS MANY THINGS INSIDE IT

ID : THEY ARE GIVEN TO ONLY ONE THINGS THEY ARE UNIQUE A CLASS CONTAINS MANY ID's

IMAGE TAG : TO ADD IMAGE TO WEBSITE

IFRAME TAG : TO ADD A VIDEO FROM ANY WEBSITE TO YOUR WEBSITE / WEBPAGE

CONCLUSION :

Through this practice I understood the usage of various HTML tags like Header, Navigation, Footer, Main, Section, Class, ID, DIV, Copyright claim, Spacing, Images etc.