Web Technology Lab – 02

Name – ABHIJEET PARASHAR

Branch – Mathematics and Computing

Roll no. – 22MC3001

T1 :


```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>About Me</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            max-width: 800px;
```

```html
            margin: 20px auto;
            padding: 20px;
            border: 1px solid #ccc;
            border-radius: 8px;
            background-color: #f8f8f8;
        }

        h1, h2, h3 {
            color: #333;
        }

        p {
            line-height: 1.6;
        }
    </style>
</head>
<body>
    <header>
        <h1>About Me</h1>
    </header>

    <section>
        <h2>Introduction</h2>
        <p>
            Hi there,
            I am Abhijeet , Sophomore @ Mathematics and Computing in RAJIV
GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, Jais (An Institute of National
Importance , Set up in the line of IITs). I will be graduating in May 2026.
        </p>
    </section>

    <section>
        <h2>Background</h2>
        <p>
            I am passionate about learning Data Science and Machine Learning.
            Apart from this, I am interested in web development, finance,
management and marketing.
        </p>
    </section>

    <section>
        <h2>Hobbies</h2>
        <p>
            Outside of engineering, I enjoy Singing, Travelling, Reading and
Writing Poems.
            These activities bring balance to my life and inspire creativity.
        </p>
    </section>
```

```
    <footer>
        <p>
                    If you'd like to connect with me, feel free to check out my
LinkedIn profile.
                    <a href="https://www.linkedin.com/in/abhijeet-parashar-
066837254/" target="_blank">Click here</a> to go to my LinkedIn.
        </p>
    </footer>
</body>
</html>
```

T2:

Beautiful Sunset
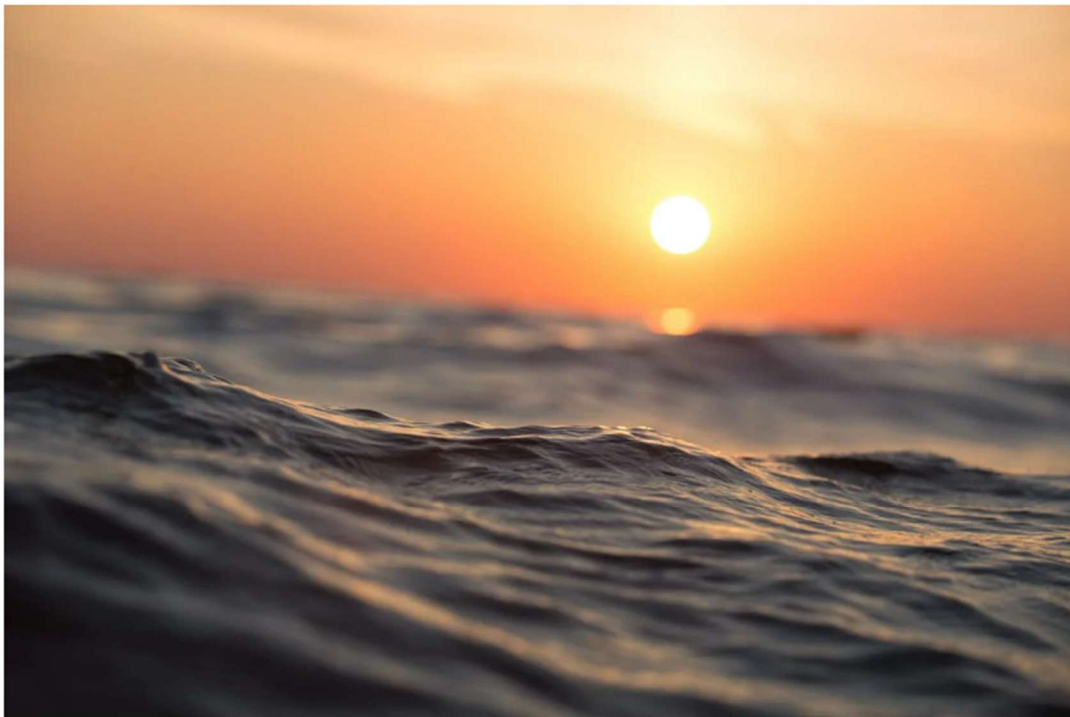
This is a stunning image of a beautiful sunset. The beautiful fusion of Sun and the Sea.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Image Page</title>
</head>
<body>

    <header>
        <h1>Beautiful Sunset</h1>
    </header>

    <main>
        <img src="https://images.pexels.com/photos/189349/pexels-photo-189349.jpeg?auto=compress&cs=tinysrgb&w=1260&h=750&dpr=1" alt="Beautiful Sunset" style="width: 600px; height: auto;">
        <p>This is a stunning image of a beautiful sunset. The beautiful fusion of Sun and the Sea.</p>
    </main>

</body>
</html>
```

T3:

Countries and Languages

I. Canada

    i. English
    ii. French

II. Finland

    i. Finnish
    ii. Swedish

III. Switzerland

    i. French
    ii. German

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Countries and Languages</title>
</head>
<body>

    <h1>Countries and Languages</h1>

    <ol type="I">
        <li>
            <p>Canada</p>
            <ol type="i">
                <li>English</li>
                <li>French</li>
            </ol>
        </li>

        <li>
            <p>Finland</p>
            <ol type="i">
                <li>Finnish</li>
                <li>Swedish</li>
```

```
            </ol>
        </li>

        <li>
            <p>Switzerland</p>
            <ol type="i">
                <li>French</li>
                <li>German</li>
            </ol>
        </li>
    </ol>

</body>
</html>
```

T4 :

Countries and Capitals

• India • Pakistan • USA • Russia • Nepal	1. New Delhi 2. Islamabad 3. Washington 4. Moscow 5. Kathmandu

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Countries and Capitals</title>
    <style>
        table {
            width: 100%;
            border-collapse: collapse;
        }

        th, td {
            padding: 10px;
            border: 1px solid #ddd;
            text-align: left;
        }
    </style>
</head>
```

```
<body>

    <h1>Countries and Capitals</h1>

    <table>
        <tr>
            <td>
                <ul>
                    <li>India</li>
                    <li>Pakistan</li>
                    <li>USA</li>
                    <li>Russia</li>
                    <li>Nepal</li>
                </ul>
            </td>
            <td>
                <ol>
                    <li>New Delhi</li>
                    <li>Islamabad</li>
                    <li>Washington</li>
                    <li>Moscow</li>
                    <li>Kathmandu</li>
                </ol>
            </td>
        </tr>
    </table>

</body>
</html>
```

T5 :

Countries	Politicians	
Turkmenistan	President	Gurbanguly Berdimuhamedow
	Vice President	Raşit Meredow
Eritrea	President	Isaias Afwerki
	Vice President	None

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Sales Table</title>
    <style>
        table {
            width: 100%;
            border-collapse: collapse;
            margin-top: 20px;
        }

        th, td {
            border: 1px solid #ddd;
            padding: 8px;
            text-align: left;
        }

        th {
            background-color: #f2f2f2;
        }

        td:first-child {
        }
    </style>
</head>
<body>

    <table>
        <thead>
            <tr>
                <th rowspan = "2">Countries</th>
                <th colspan="2">Politicians</th>
            </tr>

        </thead>
        <tbody>
            <tr>
                <td rowspan = "2">Turkmenistan</td>
                <td>President</td>
                <td>Gurbanguly Berdimuhamedow</td>
            </tr>
            <tr>
                <td>Vice President</td>
                <td>Raşit Meredow</td>
            </tr>
            <tr>
```

```
                <td rowspan = "2">Eritrea</td>
                <td>President</td>
                <td>Isaias Afwerki</td>
            </tr>
            <tr>
                <td>Vice President</td>
                <td>None</td>
            </tr>
        </tbody>
    </table>

</body>
</html>
```

T6 :

My Favorite Websites

- [YouTube](https://www.youtube.com/)
- [Netflix](https://www.netflix.com/browse)
- [DSA Sheet]
- [ChatGPT]

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>My Favorite Websites</title>
</head>
<body>

    <h1>My Favorite Websites</h1>

    <ul>
        <li><a href="https://www.youtube.com/"
target="_blank">YouTube</a></li>
        <li><a href="https://www.netflix.com/browse"
target="_blank">Netflix</a></li>
```

```
        <li><a
href="https://drive.google.com/file/d/1FMdN_OCfOI0iAeDlqswCiC2DZzD4nPsb/view"
target="_blank">DSA Sheet</a></li>
        <li><a href="https://chat.openai.com/"
target="_blank">ChatGPT</a></li>
    </ul>


</body>
</html>
```

T7 :

metropolitan area in the world. Japan has the world's highest life expectancy, although it is experiencing a population decline due to its very low birth rate. Japan has been inhabited since the Upper Paleolithic period (30,000 BC). Between the fourth and ninth centuries, the kingdoms of Japan became unified under an emperor and the imperial court based in Heian-kyō. Beginning in the 12th century, political power was held by a series of military dictators (shōgun) and feudal lords (daimyō), and enforced by a class of warrior nobility (samurai). After a century-long period of civil war, the country was reunified in 1603 under the Tokugawa shogunate, which enacted an isolationist foreign policy. In 1854, a United States fleet forced Japan to open trade to the West, which led to the end of the shogunate and the restoration of imperial power in 1868. In the Meiji period, the Empire of Japan adopted a Western-modeled constitution, and pursued a program of industrialization and modernization. Amidst a rise in militarism and overseas colonization, Japan invaded China in 1937 and entered World War II as an Axis power in 1941. After suffering defeat in the Pacific War and two atomic bombings, Japan surrendered in 1945 and came under a seven-year Allied occupation, during which it adopted a new constitution. Under the 1947 constitution, Japan has maintained a unitary parliamentary constitutional monarchy with a bicameral legislature, the National Diet. Japan is a developed country and a great power, with one of the largest economies by nominal GDP. Japan has renounced its right to declare war, though it maintains a Self-Defense Force that ranks as one of the world's strongest militaries. A global leader in the automotive, robotics, and electronics industries, the country has made significant contributions to science and technology, and is one of the world's largest exporters and importers. It is part of multiple major international and intergovernmental institutions. Japan is a cultural superpower as the culture of Japan is well known around the world, including its art, cuisine, film, music, and popular culture, which encompasses prominent manga, anime, and video game industries.

The name for Japan in Japanese is written using the kanji 日本 and is pronounced Nippon or Nihon.[12] Before 日本 was adopted in the early 8th century, the country was known in China as Wa (倭, changed in Japan around 757 to 和) and in Japan by the endonym Yamato.[13] Nippon, the original Sino-Japanese reading of the characters, is favored for official uses, including on Japanese banknotes and postage stamps.[12] Nihon is typically used in everyday speech and reflects shifts in Japanese phonology during the Edo period.[13] The characters 日本 mean "sun origin",[12] which is the source of the popular Western epithet "Land of the Rising Sun".[14] The name "Japan" is based on Chinese pronunciations of 日本 and was introduced to European languages through early trade. In the 13th century, Marco Polo recorded the early Mandarin or Wu Chinese pronunciation of the characters 日本國 as Cipangu.[15] The old Malay name for Japan, Japang or Japun, was borrowed from a southern coastal Chinese dialect and encountered by Portuguese traders in Southeast Asia, who brought the word to Europe in the early 16th century.[16] The first version of the name in English appears in a book published in 1577, which spelled the name as Giapan in a translation of a 1565 Portuguese letter.

In 645, the government led by Prince Naka no Ōe and Fujiwara no Kamatari devised and implemented the far-reaching Taika Reforms. The Reform began with land reform, based on Confucian ideas and philosophies from China.[31] It nationalized all land in Japan, to be distributed equally among cultivators, and ordered the compilation of a household registry as the basis for a new system of taxation.[32] The true aim of the reforms was to bring about greater centralization and to enhance the power of the imperial court, which was also based on the governmental structure of China. Envoys and students were dispatched to China to learn about Chinese writing, politics, art, and religion.[31] The Jinshin War of 672, a bloody conflict between Prince Ōama and his nephew Prince Ōtomo, became a major catalyst for further administrative reforms.[33] These reforms culminated with the promulgation of the Taihō Code, which consolidated existing statutes and established the structure of the central and subordinate local governments.[32] These legal reforms created the ritsuryō state, a system of Chinese-style centralized government that remained in place for half a millennium.[33] The Nara period (710–784) marked the emergence of a Japanese state centered on the Imperial Court in Heijō-kyō (modern Nara). The period is characterized by the appearance of a nascent literary culture with the completion of the Kojiki (712) and Nihon Shoki (720), as well as the development of Buddhist-inspired artwork and architecture.[34][35] A smallpox epidemic in 735–737 is believed to have killed as much as one-third of Japan's population.[35][36] In 784, Emperor Kanmu moved the capital, settling on Heian-kyō (modern-day Kyoto) in 794.[35] This marked the beginning of the Heian period (794–1185), during which a distinctly indigenous Japanese culture emerged. Murasaki Shikibu's The Tale of Genji and the lyrics of Japan's national anthem "Kimigayo" were written during this time.

Back to Top

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Jump to Top</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 20px;
        }
```

```
        #top-link {
            text-align: center;
            padding: 10px;
            background-color: #007bff;
            color: #fff;
            text-decoration: none;
            border-radius: 5px;
            display: block;
            margin-top: 20px;
        }
    </style>
</head>
<body>

    <h1>JAPAN</h1>

    <p>
        Japan is an island country in East Asia. It is in the northwest
Pacific Ocean and is bordered on the west by the Sea of Japan, extending from
the Sea of Okhotsk in the north toward the East China Sea, Philippine Sea, and
Taiwan in the south. Japan is a part of the Ring of Fire, and spans an
archipelago of 14,125 islands, with the five main islands being Hokkaido,
Honshu (the "mainland"), Shikoku, Kyushu, and Okinawa. Tokyo is the country's
capital and largest city, followed by Yokohama, Osaka, Nagoya, Sapporo,
Fukuoka, Kobe, and Kyoto.

        Japan has over 125 million inhabitants and is the 11th most populous
country in the world, as well as one of the most densely populated. About
three-fourths of the country's terrain is mountainous, concentrating its
highly urbanized population on narrow coastal plains. Japan is divided into 47
administrative prefectures and eight traditional regions. The Greater Tokyo
Area is the most populous metropolitan area in the world. Japan has the
world's highest life expectancy, although it is experiencing a population
decline due to its very low birth rate.

        Japan has been inhabited since the Upper Paleolithic period (30,000
BC). Between the fourth and ninth centuries, the kingdoms of Japan became
unified under an emperor and the imperial court based in Heian-kyō. Beginning
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country was reunified in 1603 under the Tokugawa shogunate, which enacted an
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restoration of imperial power in 1868. In the Meiji period, the Empire of
Japan adopted a Western-modeled constitution, and pursued a program of
industrialization and modernization. Amidst a rise in militarism and overseas
colonization, Japan invaded China in 1937 and entered World War II as an Axis
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power in 1941. After suffering defeat in the Pacific War and two atomic bombings, Japan surrendered in 1945 and came under a seven-year Allied occupation, during which it adopted a new constitution.

Under the 1947 constitution, Japan has maintained a unitary parliamentary constitutional monarchy with a bicameral legislature, the National Diet. Japan is a developed country and a great power, with one of the largest economies by nominal GDP. Japan has renounced its right to declare war, though it maintains a Self-Defense Force that ranks as one of the world's strongest militaries. A global leader in the automotive, robotics, and electronics industries, the country has made significant contributions to science and technology, and is one of the world's largest exporters and importers. It is part of multiple major international and intergovernmental institutions.

Japan is a cultural superpower as the culture of Japan is well known around the world, including its art, cuisine, film, music, and popular culture, which encompasses prominent manga, anime, and video game industries.
    </p>
    <p>
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    </p>
    <p>
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```
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students were dispatched to China to learn about Chinese writing, politics,
art, and religion.[31] The Jinshin War of 672, a bloody conflict between
Prince Ōama and his nephew Prince Ōtomo, became a major catalyst for further
administrative reforms.[33] These reforms culminated with the promulgation of
the Taihō Code, which consolidated existing statutes and established the
structure of the central and subordinate local governments.[32] These legal
reforms created the ritsuryō state, a system of Chinese-style centralized
government that remained in place for half a millennium.[33]

The Nara period (710–784) marked the emergence of a Japanese state centered on
the Imperial Court in Heijō-kyō (modern Nara). The period is characterized by
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(712) and Nihon Shoki (720), as well as the development of Buddhist-inspired
artwork and architecture.[34][35] A smallpox epidemic in 735–737 is believed
to have killed as much as one-third of Japan's population.[35][36] In 784,
Emperor Kanmu moved the capital, settling on Heian-kyō (modern-day Kyoto) in
794.[35] This marked the beginning of the Heian period (794–1185), during
which a distinctly indigenous Japanese culture emerged. Murasaki Shikibu's The
Tale of Genji and the lyrics of Japan's national anthem "Kimigayo" were
written during this time.
    </p>
    <a href="#top" id="top-link">Back to Top</a>

    <a id="top"></a> <!-- Anchor point at the top of the page -->

</body>
</html>
```

T8 :

Jump to Bottom

Welcome to My Webpage!

Write an html page that includes a header element giving a title to some image then include the image in the page, sized appropriately, and a paragraph that describes the image.

Jump to Top

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

```html
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Jump to Top and Bottom</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 20px;
        }

        #top-link {
            text-align: center;
            padding: 10px;
            background-color: #007bff;
            color: #fff;
            text-decoration: none;
            border-radius: 5px;
            display: block;
            margin-bottom: 20px;
        }

        #bottom-link {
            text-align: center;
            padding: 10px;
            background-color: #007bff;
            color: #fff;
            text-decoration: none;
            border-radius: 5px;
            display: block;
            margin-top: 20px;
        }
    </style>
</head>
<body>

    <a href="#bottom" id="top-link">Jump to Bottom</a>

    <h1>Welcome to My Webpage!</h1>

    <p>
        Write an html page that includes a header element giving a title to
some image then
        include the image in the page, sized appropriately, and a paragraph
that describes the
        image.
    </p>

    <a href="#top" id="bottom-link">Jump to Top</a>
```

```
    <a id="top"></a> <!-- Anchor point at the top of the page -->

    <a id="bottom"></a> <!-- Anchor point at the bottom of the page -->

</body>
</html>
```

T9 :


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Image with Border</title>
</head>
<body>

    <h1>Webpage with Image</h1>
```

```
    <img src="https://placekitten.com/200/200" alt="Cute Kitten"
style="border: 2px solid black; width: 200px; height: 200px;">

</body>
</html>
```

T10 :

Webpage with Images

Kitten 1

Kitten 2

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Webpage with Images</title>
</head>
```

```
<body>

    <h1>Webpage with Images</h1>

    <figure>
        <img src="https://placekitten.com/300/200" alt="Cute Kitten 1">
        <figcaption>Kitten 1</figcaption>
    </figure>
    <br>

    <figure>
        <img src="https://placekitten.com/320/200" alt="Cute Kitten 2">
        <figcaption>Kitten 2</figcaption>
    </figure>
    <br>

    <figure>
        <img src="https://placekitten.com/340/200" alt="Cute Kitten 3">
        <figcaption>Kitten 3</figcaption>
    </figure>
    <br>

    <figure>
        <img src="https://placekitten.com/360/200" alt="Cute Kitten 4">
        <figcaption>Kitten 4</figcaption>
    </figure>
    <br>

    <figure>
        <img src="https://placekitten.com/380/200" alt="Cute Kitten 5">
        <figcaption>Kitten 5</figcaption>
    </figure>

</body>
</html>
```

T11 :

Click the Image to Search with Google


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Search with Google</title>
</head>
<body>

    <h1>Click the Image to Search with Google</h1>

    <a href="https://www.google.com" target="_blank">
        <img
src="https://www.google.com/images/branding/googlelogo/1x/googlelogo_color_272
x92dp.png" alt="Google Logo" style="width: 200px; height: auto;">
    </a>

</body>
</html>
```