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23BCB0030

Exno 1 b) Develop a web page for solar system using basic html tags.

Aim: To develop a web page for solar system using basic html tags which contains images, and also links to a different pages. Your page should include,

- a. Use image, text as hyperlink reference.
- b. Apply internal navigation (different sections of the document, external navigation (for eg. <https://www.isro.gov.in/>).

Procedure:

1. Create an html file named as solar system.html which contains,
 - a. Solar system image to be displayed at the top of the page.
 - b. Description about solar system and list the nine planets using anchor tag.
2. Create a html file named as mercury.html which contains,
 - a. Mercury image to be displayed at the top of the page.
 - b. Description about mercury planet.
3. Similarly create an html file for each planet and provide image and description about each planet.
4. In the main file solar system.html, each planet has a hyperlink to every another planet in a different page.
5. In each planet page, there should be a hyperlink named as home to reach the home page.
6. In notepad or any editor or IDE type the necessary code & save with the file name mentioned with .html extension display your time table.
7. To view your web page, simply double click your html file.

HTML Tags need to be used:

Tags used	Attributes

<h1>	
<p>	
	src, height, width, alt, caption
<a>	href, target (_blank,_parent,_self,_top)
	
	
	

Code and Output

```

1  <!DOCTYPE html>
2  <html lang = "en">
3      <head>
4          SUHAANI KEDAR 23BCB0030
5          <meta charset = "UTF-8">
6          <meta name = "viewport" content = "width= device - width, initial-scale = 1.0">
7          <title>Solar System</title>
8      </head>
9      <body>
10         <h1>Welcome to the Solar System</h1>
11         <img src = "solarsystem1.jpg" alt = "Solar System Image" width = "1200" height = "700">
12         <p>The solar system is a vast and fascinating part of our universe.
13         It consists of the Sun, planets, moons, asteroids, and comets. Below are the planets of the solar system:</p>
14         <ul>
15             <li><a href="mercury.html" target="_blank">Mercury</a></li>
16             <li><a href="venus.html" target="_blank">Venus</a></li>
17             <li><a href="earth.html" target="_blank">Earth</a></li>
18             <li><a href="mars.html" target="_blank">Mars</a></li>
19             <li><a href="jupiter.html" target="_blank">Jupiter</a></li>
20             <li><a href="saturn.html" target="_blank">Saturn</a></li>
21             <li><a href="uranus.html" target="_blank">Uranus</a></li>
22             <li><a href="neptune.html" target="_blank">Neptune</a></li>
23         </ul>
24         <p>Learn more about space exploration on the <a href="https://www.isro.gov.in/" target="_blank">ISRO website</a>.</p>
25     </body>
26
27
28 </html>

```

```

1 <html lang="en">
2 <head>
3   <meta charset="UTF-8">
4   <meta name="viewport" content="width=device-width, initial-scale=1.0">
5   <title>Mercury</title>
6 </head>
7 <body>
8   <h1>Mercury</h1>
9   
10  <p> <font color="crimson blue" size="4" face="Arial">
11    Mercury is the smallest planet in our Solar System and the closest to the Sun. <br>
12    It has no atmosphere to retain heat, making it a planet of extremes. <br>
13    During the day, the surface temperature can reach up to 430°C (800°F), but at night, it drops to -180°C (-290°F). <br>
14    Mercury has a rocky surface covered in craters, resembling Earth's Moon. <br>
15  </font>
16  <strong>Interesting Facts:</strong> <br>
17  A year on Mercury is just 88 Earth days. <br>
18  Mercury has the largest temperature difference of any planet in the Solar System. <br>
19  Despite being closest to the Sun, it is not the hottest planet—that title goes to Venus. <br>
20 </p>
21 <a href="solar.html" target = "_blank">Home</a>
22 </body>
23 </html>

```

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Venus</title>
7 </head>
8 <body>
9   <h1>Venus</h1>
10  
11  <p>
12    <font color="darkred" size="4" face="Verdana">
13    Venus is often called Earth's twin because of its similar size and composition. <br>
14    However, the planet's atmosphere is incredibly thick and made mostly of carbon dioxide,
15    trapping heat through a runaway greenhouse effect. <br>
16    Venus rotates very slowly, taking 243 Earth days to complete one rotation, and its day is longer than its year. <br>
17    <strong>Interesting Facts:</strong> <br>
18    - Venus rotates in the opposite direction to most planets (retrograde rotation). <br>
19    - The surface temperature of Venus can reach 465°C (869°F), hot enough to melt lead. <br>
20    - Venus has mountains, volcanoes, and craters, but no liquid water. <br>
21  </font>
22  </p>
23  <a href="solar.html">Home</a>
24 </body>
25 </html>

```

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Earth</title>
7 </head>
8 <body>
9   <h1>Earth</h1>
10  
11  <!-- <p> -->
12  <p>
13    <font color="green" size="4" face="Times New Roman">
14      Earth is the third planet from the Sun and the only known planet to support life. <br>
15      It has a diverse climate, a protective atmosphere, and vast oceans covering 70% of its surface. <br>
16      Earth's magnetic field and ozone layer shield it from harmful solar radiation. <br><br>
17      <strong>Interesting Facts:</strong><br>
18      - Earth is the densest planet in the Solar System. <br>
19      - It has one moon, known simply as "the Moon." <br>
20      - The Earth's atmosphere contains 21% oxygen, essential for life. <br>
21    </font>
22  </p>
23  <!-- <p> -->
24  <a href="solar.html">Home</a>
25 </body>
26 </html>

```

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Mars</title>
7 </head>
8 <body>
9   <h1>Mars</h1>
10  
11  <p>
12    <font color="brown" size="4" face="Georgia">
13      Mars, the "Red Planet," is the fourth planet from the Sun. It is home to the tallest volcano (Olympus Mons)
14      and the largest canyon (Valles Marineris) in the Solar System. <br>
15      Mars has a thin atmosphere, mostly carbon dioxide, and temperatures are typically very cold. <br><br>
16      <strong>Interesting Facts:</strong><br>
17      - Mars has the largest dust storms in the Solar System, lasting for months and covering the entire planet. <br>
18      - Evidence suggests that liquid water once flowed on Mars. <br>
19      - Mars has two small moons, Phobos and Deimos. <br>
20    </font>
21  </p>
22  <a href="solar.html">Home</a>
23 </body>
24 </html>

```

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Jupiter</title>
7 </head>
8 <body>
9   <h1>Jupiter</h1>
10  
11  <p>
12    <font color="orange" size="4" face="Helvetica">
13      Jupiter is the largest planet in our Solar System, a gas giant mostly made of hydrogen and helium. <br>
14      Its Great Red Spot is a massive storm that has raged for centuries. <br>
15      Jupiter has a faint ring system and at least 79 moons, including Ganymede, the largest moon in the Solar System.<br><br>
16      <strong>Interesting Facts:</strong><br>
17      - Jupiter's magnetic field is 20,000 times stronger than Earth's.<br>
18      - A day on Jupiter is just 10 hours long, making it the fastest-spinning planet.<br>
19      - Europa, one of Jupiter's moons, may harbor an ocean beneath its icy crust.<br>
20    </font>
21  </p>
22  <a href="solar.html">Home</a>
23 </body>
24 </html>

```

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Saturn</title>
7 </head>
8 <body>
9   <h1>Saturn</h1>
10  
11  <p>
12    <font color="goldenrod" size="4" face="Courier New">
13      Saturn is famous for its intricate ring system, made mostly of ice particles and rock.
14      It is the second-largest planet and a gas giant like Jupiter. <br>
15      Saturn's low density means it could float in water if a large enough ocean existed.<br><br>
16      <strong>Interesting Facts:</strong><br>
17      - Saturn has 146 moons and moonlets, with Titan being the largest.<br>
18      - Its rings are relatively young, estimated to be about 100 million years old.<br>
19      - Saturn's winds can reach speeds of over 1,800 km/h (1,118 mph).<br>
20    </font>
21  </p>
22  <a href="solar.html">Home</a>
23 </body>
24 </html>

```

```

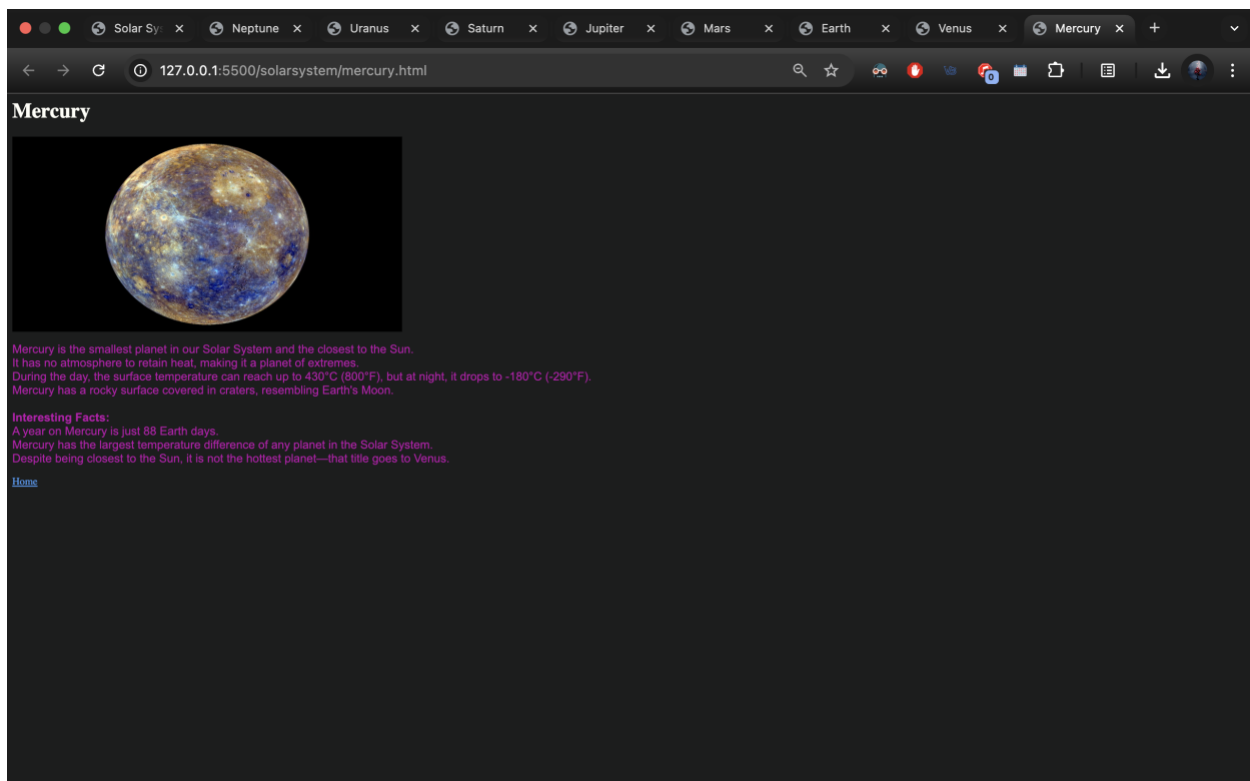
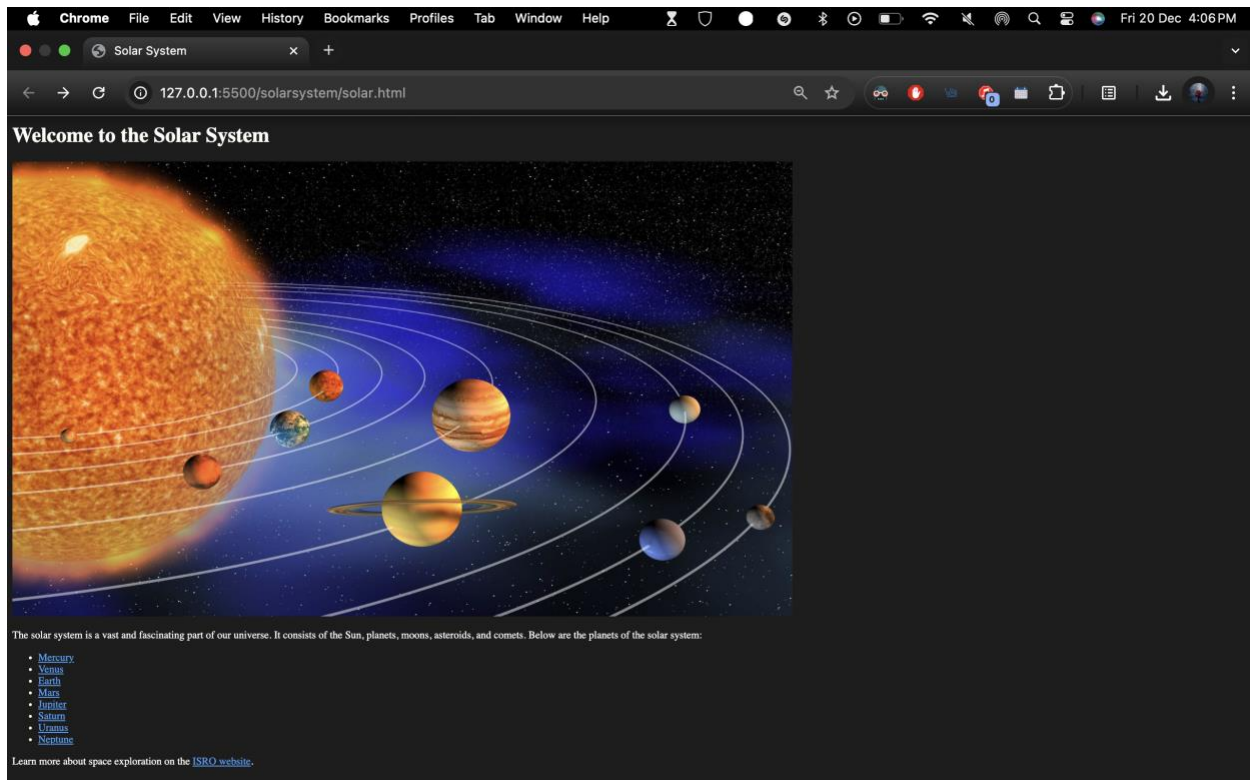
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Uranus</title>
7 </head>
8 <body>
9   <h1>Uranus</h1>
10  
11  <p>
12    <font color="teal" size="4" face="Comic Sans MS">
13      Uranus is a unique planet that rotates on its side, making its axis nearly horizontal.
14      It is an ice giant, with a pale blue-green color due to methane in its atmosphere. <br>
15      Uranus has a faint ring system and 27 known moons.<br><br>
16      <strong>Interesting Facts:</strong><br>
17      - A day on Uranus is 17 hours, but a year is 84 Earth years.<br>
18      - Uranus was the first planet discovered with a telescope in 1781.<br>
19      - Its moons are named after characters from works by Shakespeare and Alexander Pope.<br>
20    </font>
21  </p>
22  <a href="solar.html">Home</a>
23 </body>
24 </html>

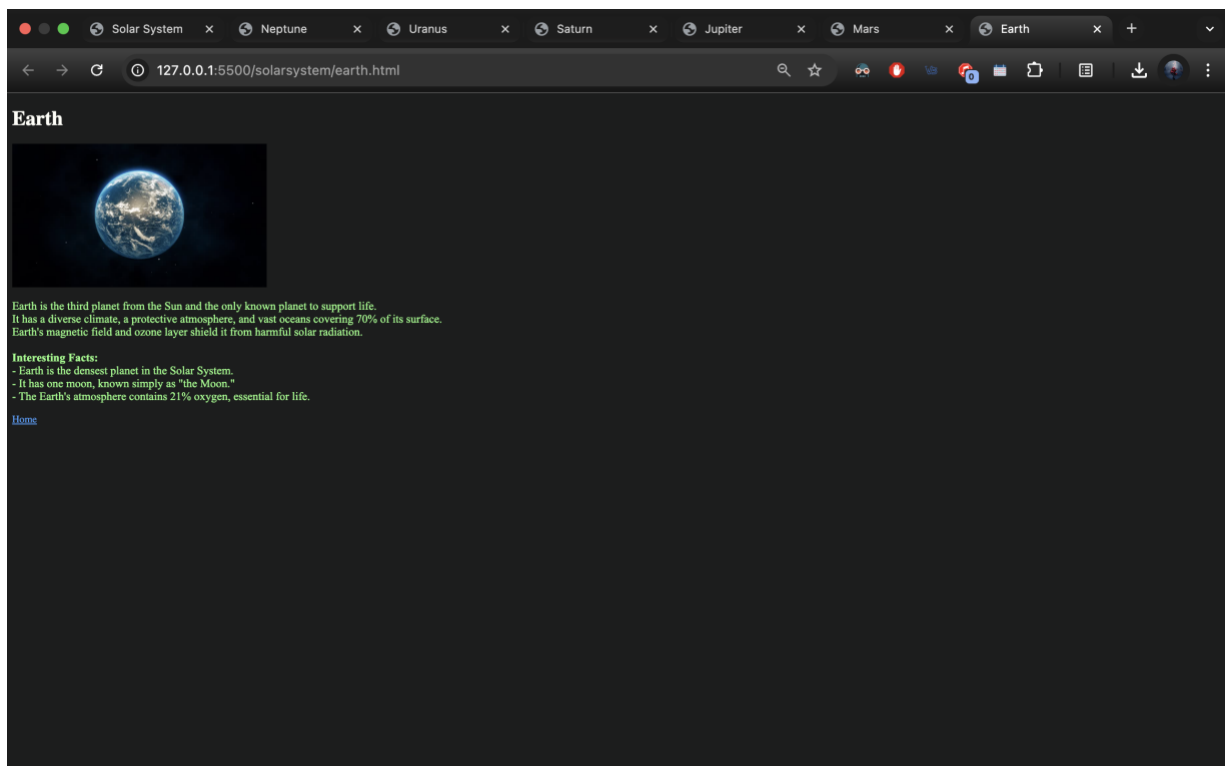
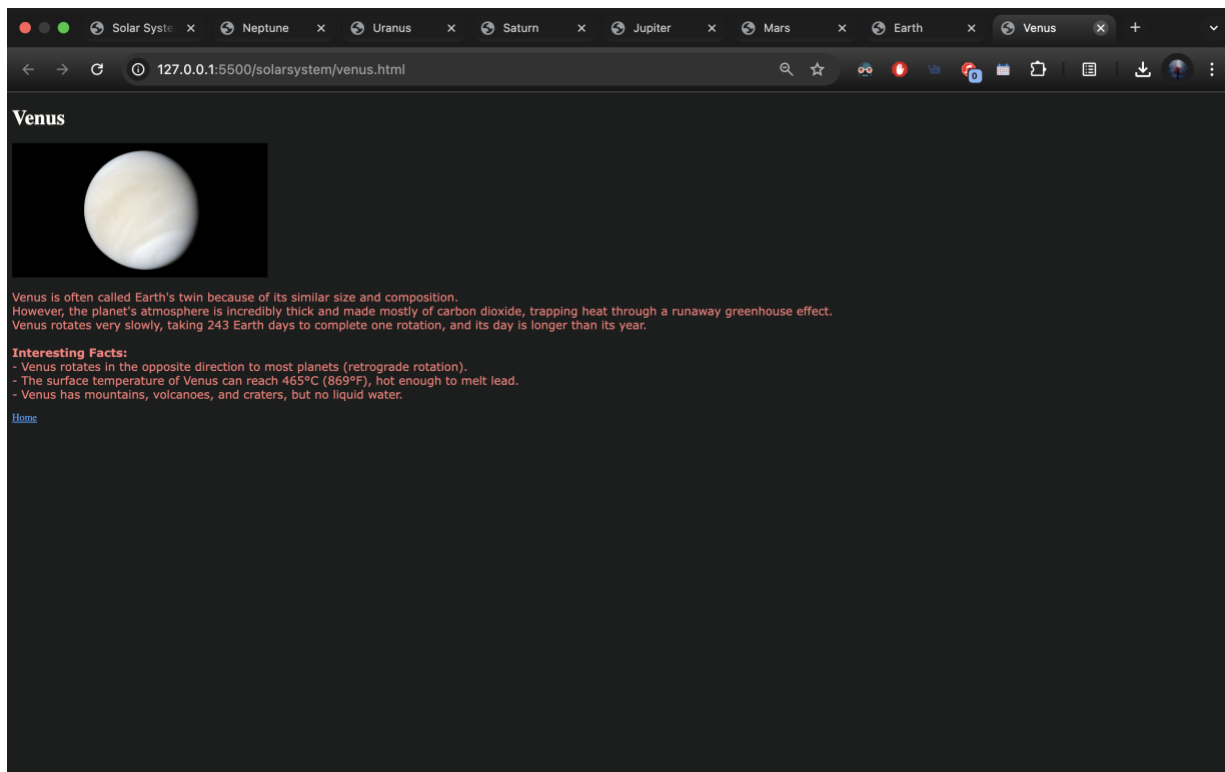
```

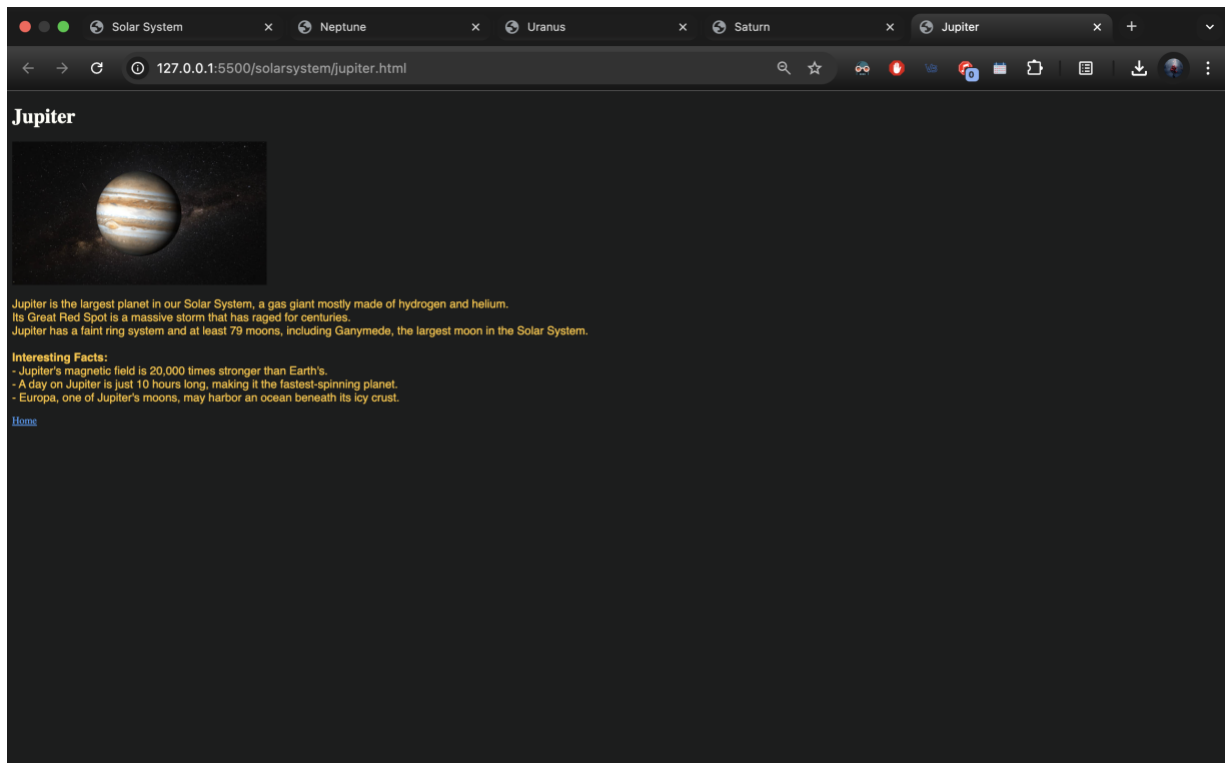
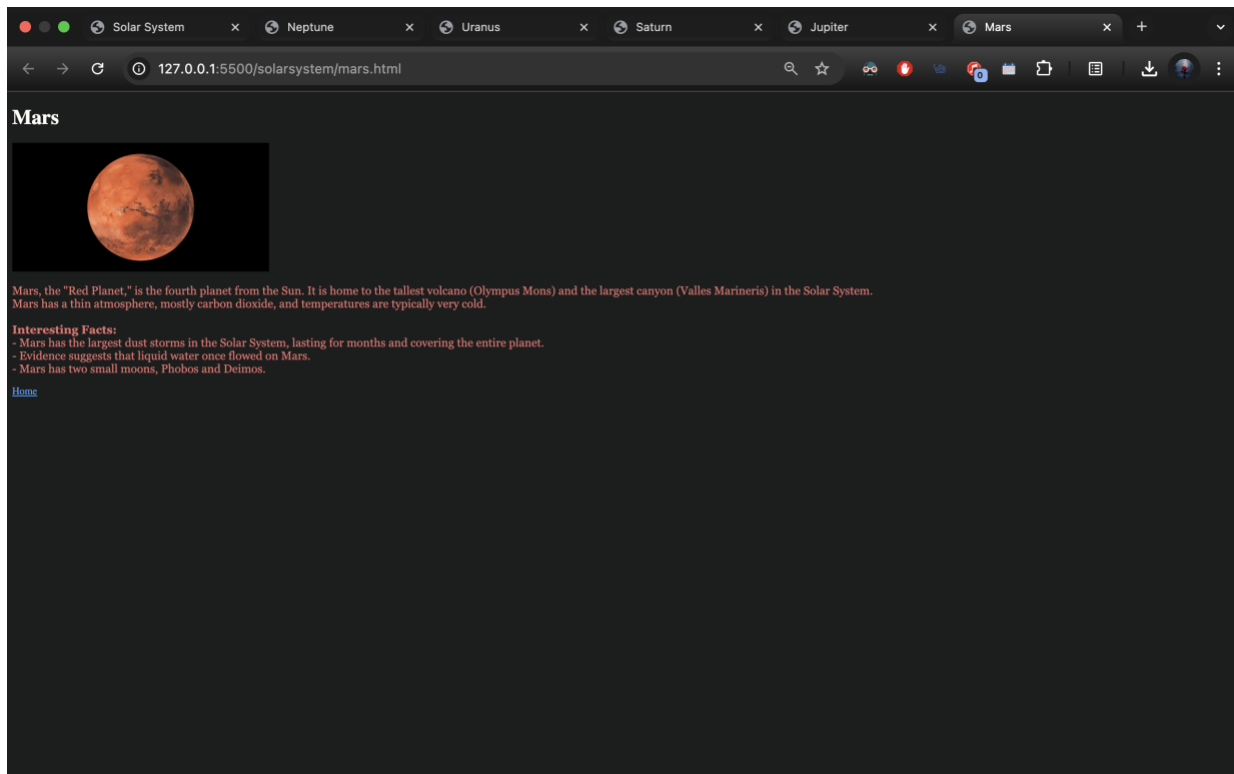
```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Neptune</title>
7 </head>
8 <body>
9   <h1>Neptune</h1>
10  
11  <p>
12    <font color="blue" size="4" face="Tahoma">
13      Neptune is the eighth and farthest planet from the Sun.
14      It is a deep blue ice giant with supersonic winds that reach up to 2,100 km/h (1,300 mph). <br>
15      Neptune has a dynamic atmosphere with storms and dark spots similar to Jupiter's Great Red Spot.<br><br>
16      <strong>Interesting Facts:</strong><br>
17      - A year on Neptune is 165 Earth years.<br>
18      - Triton, its largest moon, orbits in the opposite direction of Neptune's rotation.<br>
19      - Neptune emits more energy than it receives from the Sun due to internal heat.<br>
20    </font>
21  </p>
22  <a href="solar.html">Home</a>
23 </body>
24 </html>

```






Solar System x Neptune x Uranus x Saturn x +

127.0.0.1:5500/solarsystem/saturn.html

Saturn



Saturn is famous for its intricate ring system, made mostly of ice particles and rock. It is the second-largest planet and a gas giant like Jupiter. Saturn's low density means it could float in water if a large enough ocean existed.

Interesting Facts:


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[Home](#)

Solar System x Neptune x Uranus x +

127.0.0.1:5500/solarsystem/uranus.html

Uranus

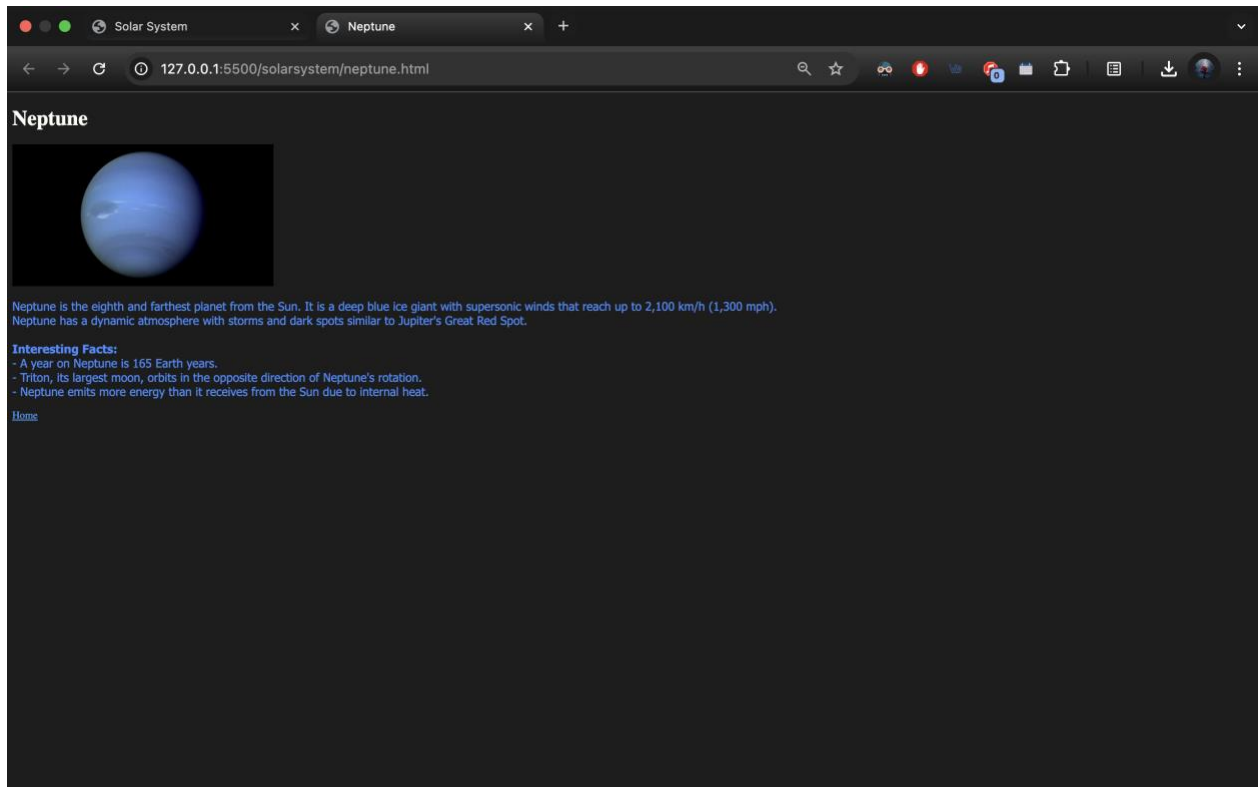


Uranus is a unique planet that rotates on its side, making its axis nearly horizontal. It is an ice giant, with a pale blue-green color due to methane in its atmosphere. Uranus has a faint ring system and 27 known moons.

Interesting Facts:

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- Uranus was the first planet discovered with a telescope in 1781.
- Its moons are named after characters from works by Shakespeare and Alexander Pope.

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**Result:**

Thus the webpage for solar system using basic html tags was created and the output was verified.