PRACTICE REPORT

WEB PROGRAMMING LAB WORKS

MODULE 1

"HTML (*Hypertext Markup Language*) BASE"

Assembled by:

ONIC AGUSTINO

L200234275

X

PROGRAM STUDI TEKNIK INFORMATIKA

FAKULTAS KOMUNIKASI DAN INFORMATIKA

UNIVERSITAS MUHAMMADIYAH SURAKARTA

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PRACTICE

1. **Attempt 1 (HTML Document)**


```
<> dokumen.html > </> 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>HTML Document</title>
7    </head>
8    <body bgcolor="skyblue">
9        This is an HTML document with the title "HTML Document" and sky blue background color. Thank You.
10   </body>
11   </html>
```
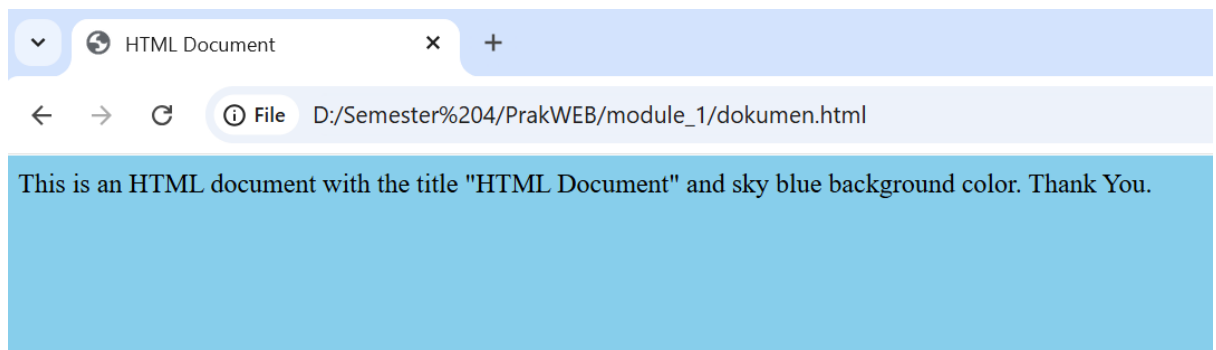
Picture 1.1 The Code.

Explanation : This HTML document defines a web page with a sky blue background using the bgcolor="skyblue" attribute in the <body> element.

Picture 1.2 The Output.

2. **Experiment 2 (Heading)**


```
<> heading.html > </> html > </> body
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>Heading</title>
7      </head>
8      <body>
9        <h1>Text with Heading size one</h1>
10       <h2>Text with Heading size two</h2>
11       <h3>Text with Heading size three</h3>
12       <h4>Text with Heading size four</h4>
13       <h5>Text with Heading size five</h5>
14       <h6>Text with Heading size six</h6>
15     </body>
16   </html>
17
```
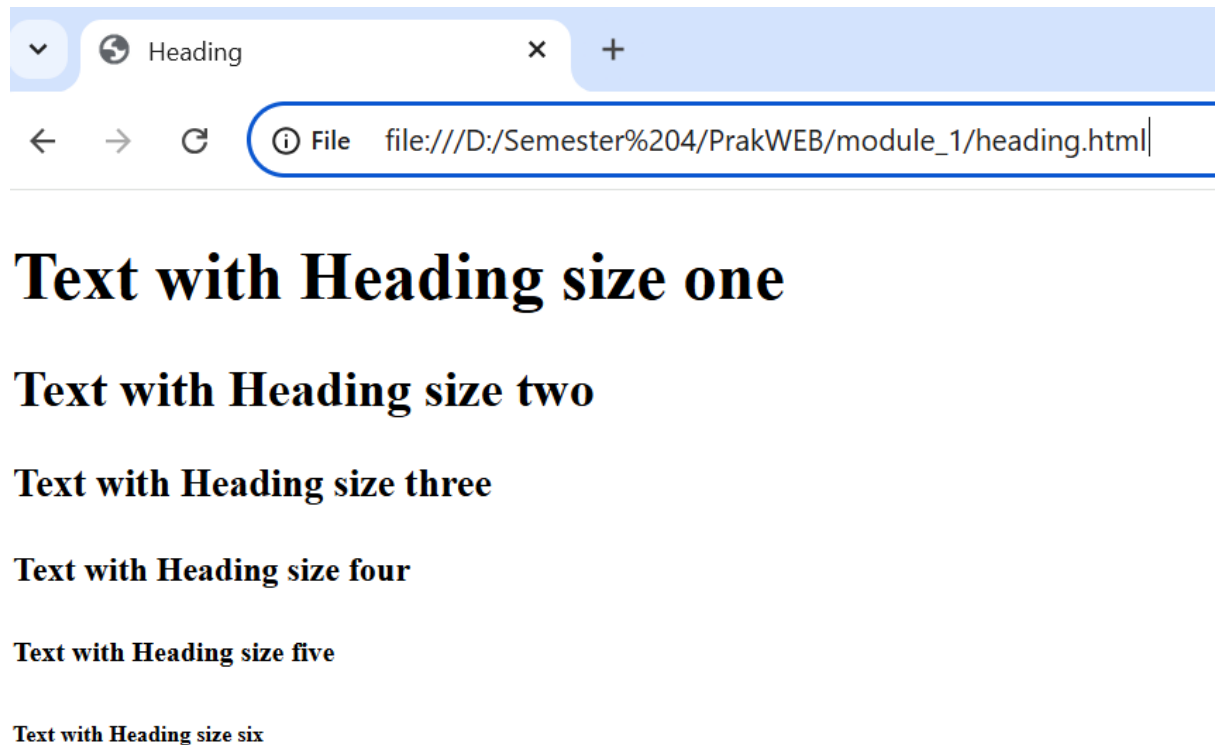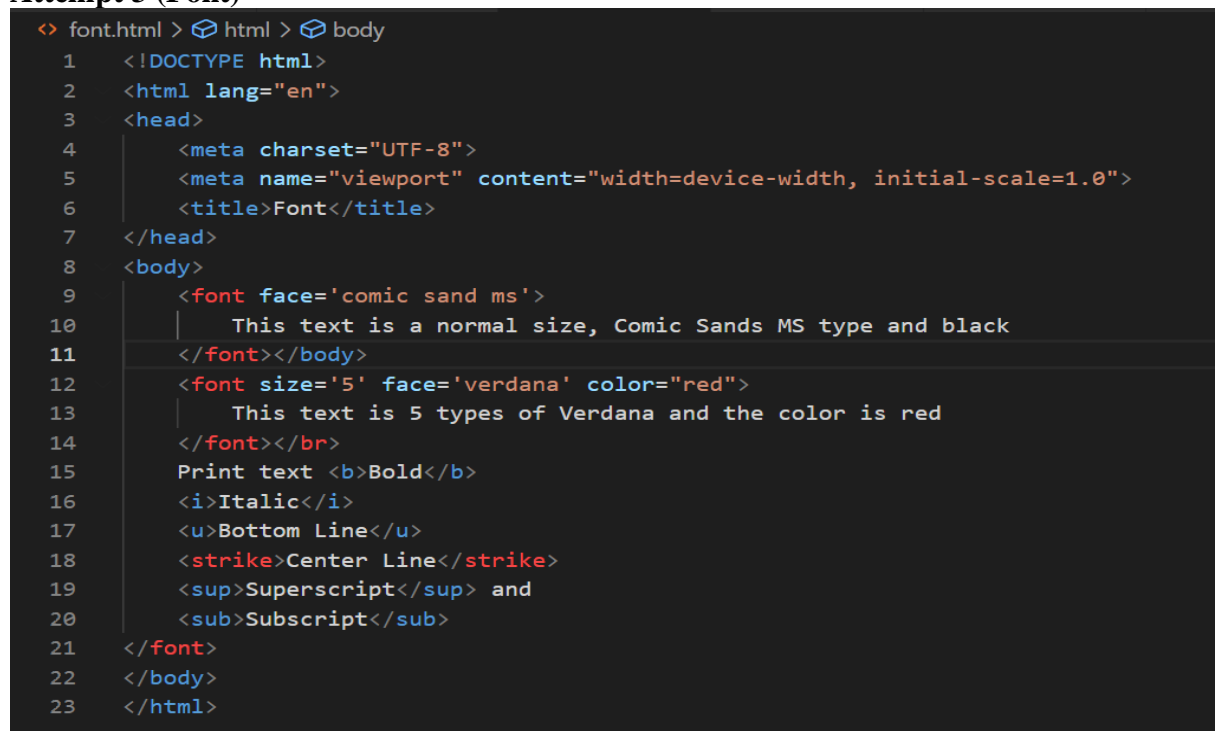
Picture 2.1 The Code.

Explanation : This HTML heading demonstrates the use of heading elements (<h1> to <h6>) to display text of various sizes.
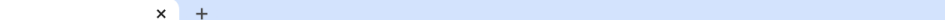

Text with Heading size one

Text with Heading size two

Text with Heading size three

Text with Heading size four

Text with Heading size five

Text with Heading size six

Picture 2.2 The Output

3. **Attempt 3 (Font)**

```html
<> font.html > ⊘ html > ⊘ body
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>Font</title>
7    </head>
8    <body>
9        <font face='comic sand ms'>
10           This text is a normal size, Comic Sands MS type and black
11       </font></body>
12       <font size='5' face='verdana' color="red">
13           This text is 5 types of Verdana and the color is red
14       </font></br>
15       Print text <b>Bold</b>
16       <i>Italic</i>
17       <u>Bottom Line</u>
18       <strike>Center Line</strike>
19       <sup>Superscript</sup> and
20       <sub>Subscript</sub>
21   </font>
22   </body>
23   </html>
```

Picture 3.1 The Code.

Explanation : Dokumen HTML ini menggunakan elemen <font>, <b>, <i>, <u>, <strike>, <sup>, dan <sub> untuk mengatur tampilan teks.

This text is a normal size, Comic Sands MS type and black This text is 5 types of Verdana and the color is red
Print text **Bold** *Italic* <u>Bottom Line</u> ~~Center Line~~ Superscript and Subscript

Picture 3.2 The Output.

4. Experiment 4 (Paragraph and Align)


```
align.html > ⊘ html > ⊘ head > ⊘ title
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>Paragraph and Align</title>
7   </head>
8   <body>
9       <p align="left">This paragraph format is aligned left</p>
10      <p align="right">This paragraph format is aligned to the right</p>
11      <p align="center">This paragraph format is centered</p>
12      <p align="justify">This paragraph format is aligned right-left.
13          This paragraph format is aligned right-left.This paragraph format is aligned right-left.
14          This paragraph format is aligned right-left.This paragraph format is aligned right-left. Paragraph format This paragraph format is aligned right-left.
15          This paragraph format is aligned right-left.This paragraph format is aligned right-left.This paragraph format is aligned right-left.
16          This paragraph format is aligned right-left.This paragraph format is aligned right-left.This paragraph format is aligned right-left.
17      </p>
18  </body>
19  </html>
```
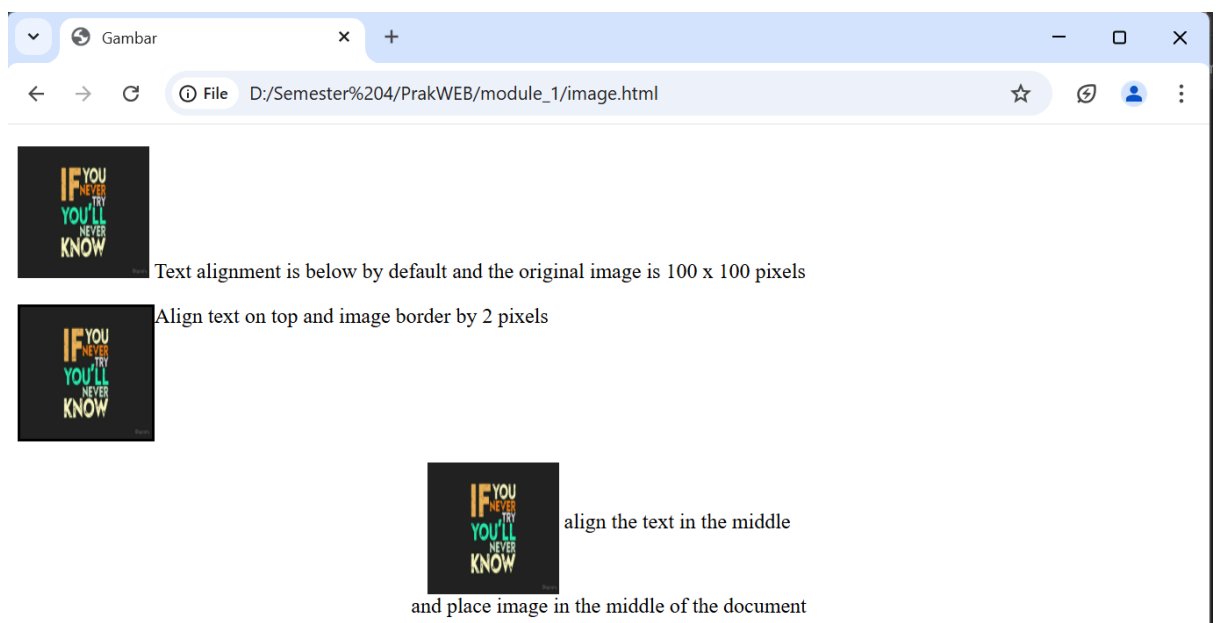
Picture 4.1 The Code.

Explanation : This HTML document uses the <p> element to create a paragraph with the align attribute to specify text alignment.

This paragraph format is aligned left

This paragraph format is aligned to the right

This paragraph format is centered

This paragraph format is aligned right-left. This paragraph format is aligned right-left.This paragraph format is aligned right-left. This paragraph format is aligned right-left.This paragraph format is aligned right-left. Paragraph format This paragraph format is aligned right-left. This paragraph format is aligned right-left.This paragraph format is aligned right-left.This paragraph format is aligned right-left. This paragraph format is aligned right-left.This paragraph format is aligned right-left.This paragraph format is aligned right-left.

Picture 4.2 The Output.

5. Experiment 5 (Figure)

```html
<> image.html > ◈ html > ◈ body > ◈ p
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>Gambar</title>
7      </head>
8      <body>
9        <p>
10         <img src="image.jpeg" height="100" width="100" /> Text alignment is below
11         by default and the original image is 100 x 100 pixels
12       </p>
13       <p>
14         <img
15           src="image.jpeg"
16           height="100"
17           width="100"
18           align="top"
19           border="2"
20         />Align text on top and image border by 2 pixels
21       </p>
22       <p align="center">
23         <img src="image.jpeg" height="100" width="100" align="middle" /> align the
24         text in the middle<br />and place image in the middle of the document
25       </p>
26     </body>
27   </html>
28
```
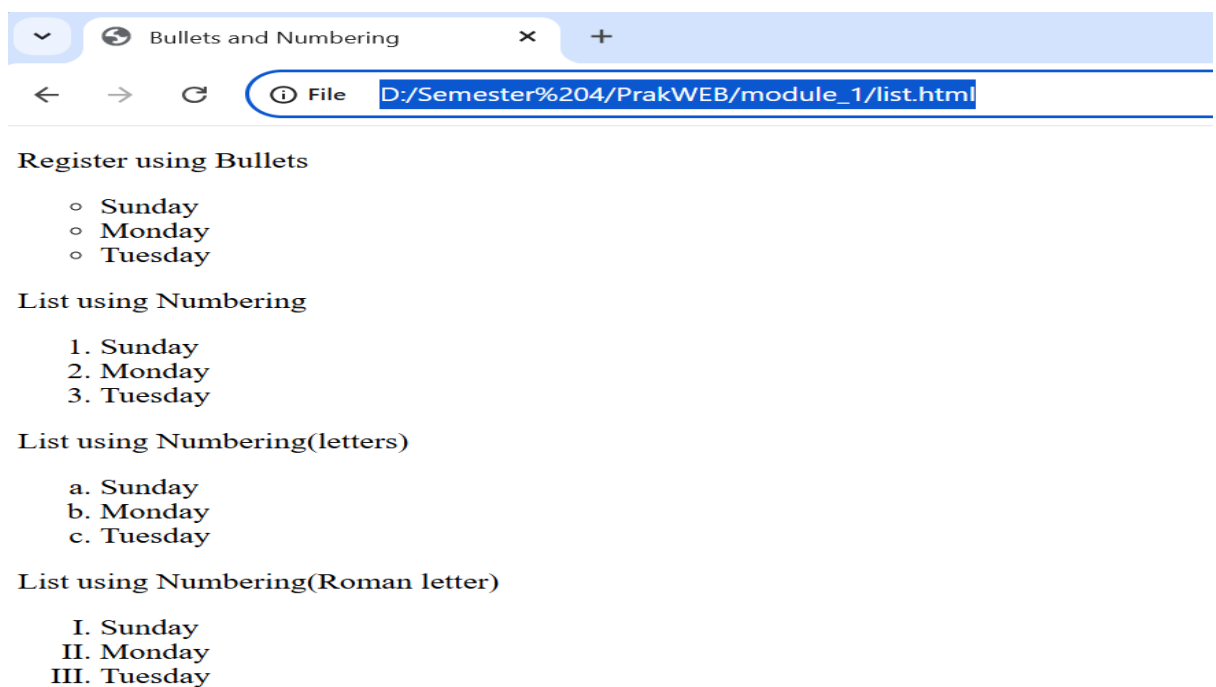
Picture 5.1 The Code.

Explanation : This HTML document displays images with various settings such as size, alignment, and border.

Picture 5.2 The Output.

6. Attempt 6 (List Using Bullets and Numbering)

```
<> list.html > 🔷 html > 🔷 body > 🔷 p
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>Bullets and Numbering</title>
7      </head>
8      <body>
9        <p>Register using Bullets</p>
10       <ul type="circle">
11         <li>Sunday</li>
12         <li>Monday</li>
13         <li>Tuesday</li>
14       </ul>
15       <p>List using Numbering</p>
16       <ol type="1">
17         <li>Sunday</li>
18         <li>Monday</li>
19         <li>Tuesday</li>
20       </ol>
21       <p>List using Numbering(letters)</p>
22       <ol type="a">
23         <li>Sunday</li>
24         <li>Monday</li>
25         <li>Tuesday</li>
26       </ol>
27       <p>List using Numbering(Roman letter)</p>
28       <ol type="I">
29         <li>Sunday</li>
30         <li>Monday</li>
31         <li>Tuesday</li>
32       </ol>
33     </body>
34   </html>
```

Picture 6.1 The Code.

Explanation : This document displays various types of lists using unordered list (<ul>) and ordered list (<ol>) with various numbering styles.

Picture 6.2 The Output.

7. Experiment 7 (Table)

```html
<> table.html > </> html > </> body > </> table > </> tr
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>Table</title>
7    </head>
8    <body>
9        Ordinary table
10       <table border="1">
11           <tr>
12               <td>cell 1a</td>
13               <td>cell 1b</td>
14               <td>cell 1c</td>
15           </tr>
16           <tr>
17               <td>cell 2a</td>
18               <td>cell 2b</td>
19               <td>cell 2c</td>
20           </tr>
21       </table>
22       Colspan
23       <table border="1">
24           <tr>
25               <td colspan="3" align="center">Quarter 1</td>
26           </tr>
27           <tr align="center">
28               <td>Jan</td>
29               <td>Feb</td>
30               <td>Mar</td>
31           </tr>
32       </table>
33       Rowspan
34       <table border="1">
35           <tr>
36               <td rowspan="3" align="center">Quarter 1</td>
37               <td>Jan</td>
38           </tr>
39           <tr>
40               <td>Feb</td>
41           </tr>
42           <tr>
43               <td>Mar</td>
44           </tr>
45       </table>
46   </body>
47   </html>
```
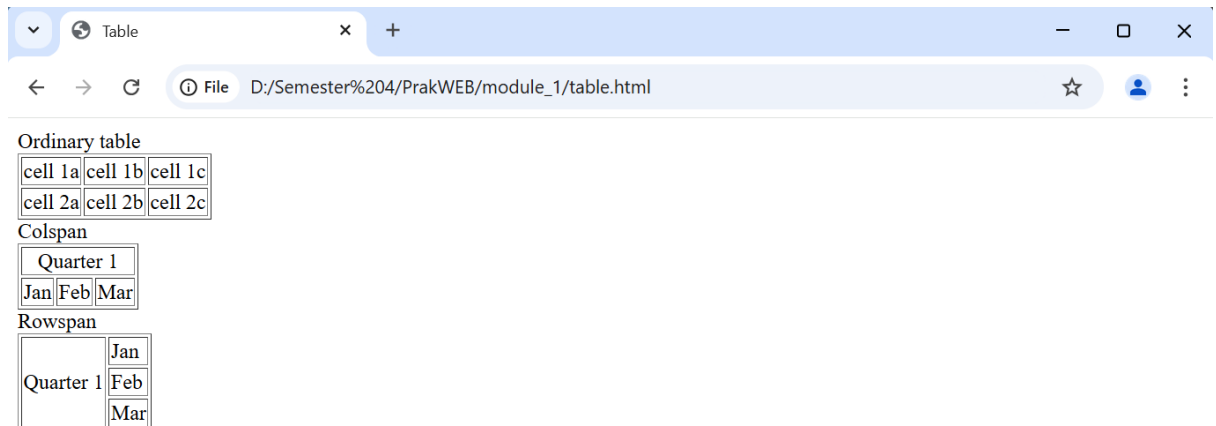
Picture 7.1 The Code.

Explanation : This HTML code demonstrates various features in tables, such as basic table, colspan (column join), and rowspan (row join).

Picture 7.2 The Output.

ASSIGNMENT

1. **Write an HTML script to create a content like the image below with a document background from an image file. The image file name used is your NIM. Then print the screen of the result and attach it in the report.**
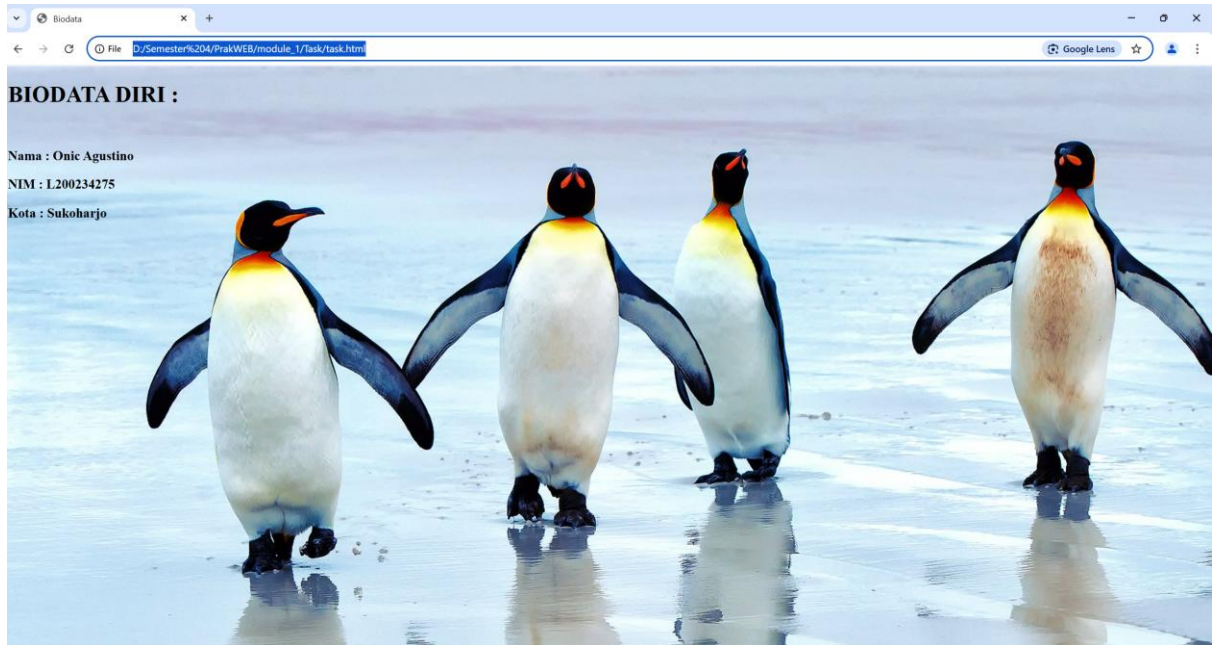
```html
Task > <> task.html > ⊘ html > ⊘ body
 1    <!DOCTYPE html>
 2    <html lang="en">
 3    <head>
 4        <meta charset="UTF-8">
 5        <meta name="viewport" content="width=device-width, initial-scale=1.0">
 6        <title>Biodata</title>
 7    </head>
 8    <body background="L200234275.jpg">
 9            <h1>BIODATA DIRI :</h1></br>
10            <h3>Nama : Onic Agustino</h3>
11            <h3>NIM : L200234275</h3>
12            <h3>Kota : Sukoharjo</h3>
13    </body>
14    </html>
```

Picture Task 1.1 The Code

Explanation :

- Basic HTML: This document uses HTML with a standard structure (`<!DOCTYPE html>`, `<html>`, `<head>`, `<body>`).

- Background: A background image is added to `<body>` via the `background="L200234275.jpg"` attribute.

- Content: Display biodata (title, name, NIM, and city) using heading elements (`<h1>` and `<h3>`).

Picture Task 1.2 The Output.

2. **Explain the function of the following tags or attributes :**

No	Tag/Attribute	Function
1	bgcolor = "blue"	Sets the background color of an element to blue
2	<h1> -<h6>	Defines HTML headings, with <h1> being the largest and <h6> the smallest
3	...	Specifies font-related attributes
4	face="verdana"	Sets the font face to Verdana(used in <font> tag, now obsolete
5	size="10"	Specifies the font size
6	color="blue"	Defines text color
7	...	Makes text bold
8	<i>...</i>	Makes text italic

9	<u>...</u>	Urdelines text
10	<strike>...</strike>	Strikes through text
11	^{...}	Displays text a superscript
12	_{...}	Displays text as subscript
13	...	Defines a paragraph
14	align="center"	Aligns text to the center
15	<img>	Inserts an image
16	src="image.jpg"	Specifies the image sources
17	width="100"	Sets the image width
18	Height="100"	Sets the image height
19	Alt="alt"	Defines alternative text for an image
20	...	Creates an unordered(bulleted) list
21	...	Creates an ordered(numbered) list
22	...	Defines a list item inside or
23	Type="circle"	Specifies the bullet style in
24	<table>...</table>	Creates a table
25	<tr>...</tr>	Defines a table row
26	<td>...</td>	Defines a table cell
27	Border="2px"	Sets the table border thickness
28	Colspan="2	Merges two column in a table
29	Rowspan="2"	Merges two rows in a table
30	</BR>	Inserts a line break