BASIC PROGRAMS IN HTML:

1.<!DOCTYPE>,<html>,<body>

```
<!DOCTYPE html>
<html>
<body>
<h1>My First Heading</h1>
<p>My first paragraph.</p>
</body>
</html>
```

OUTPUT:

My First Heading

My first paragraph.

2.<h1> to <h6>

```
<!DOCTYPE html>
<html>
<body>
<h1>This is heading 1</h1>
<h2>This is heading 2</h2>
<h3>This is heading 3</h3>
<h4>This is heading 4</h4>
<h5>This is heading 5</h5>
<h6>This is heading 6</h6>
</body>
</html>
```

OUTPUT:

This is heading 1

This is heading 2

This is heading 3

This is heading 4

This is heading 5

This is heading 6

3.<p>

```
<!DOCTYPE html>
<html>
<body>
<p>This is a paragraph.</p>
<p>This is another paragraph.</p>
</body>
```

</html>
OUTPUT:

This is a paragraph.

This is another paragraph.

4.<!--...-->
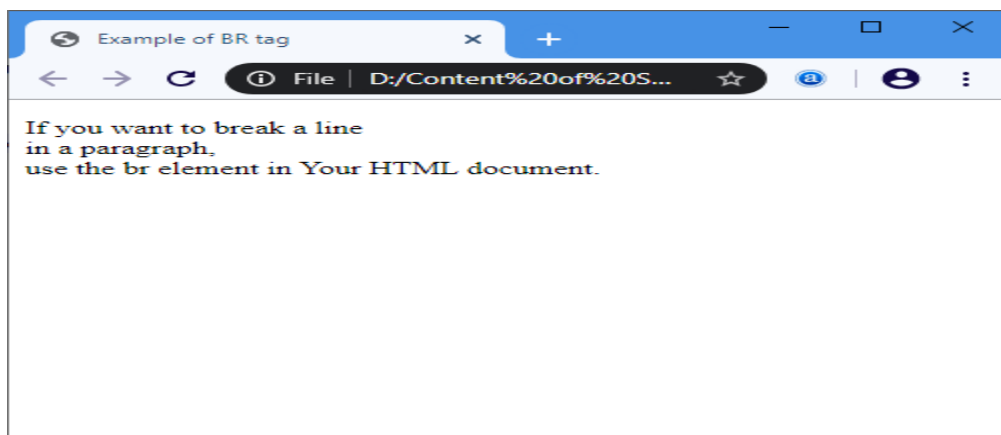This is used for a command line.
**5.
**

<!DOCTYPE HTML>

<html>

<head>

<title>

Example of BR tag

</title>

</head>

<body>

<p>If you want to break a line **
** in a paragraph, **
** use the BR element in **
** your

HTML document. **</p>**

</body>

</html>

OUTPUT:

6.\<hr\>
<!DOCTYPE html>
<html>
<body>
<h1>The Main Languages of the Web</h1>
<p>HTML is the standard markup language for creating Web pages..</p>
<hr>
<p>CSS is a language that describes how HTML elements are to be displayed on screen, paper, or in other media.</p>
<hr>
<p>JavaScript is the programming language of HTML and the Web. JavaScript can change HTML content and attribute values.</p>
</body>
</html>

OUTPUT:

The Main Languages of the Web

HTML is the standard markup language for creating Web pages..

CSS is a language that describes how HTML elements are to be displayed on screen, paper, or in other media.

JavaScript is the programming language of HTML and the Web. JavaScript can change HTML content and attribute values.

7.\<b\>,\<strong\>,\<i\>,\<em\>
<!DOCTYPE html>
<html>
<body>
COMPUTER SCIENCE AND TECHNOLOGY
<p>COMPUTER SCIENCE AND TECHNOLOGY</p>
COMPUTER SCIENCE AND TECHNOLOGY
<i>COMPUTER SCIENCE AND TECHNOLOGY</i>
</body>
</html>

OUTPUT:

COMPUTER SCIENCE AND TECHNOLOGY

COMPUTER SCIENCE AND TECHNOLOGY

COMPUTER SCIENCE AND TECHNOLOGY
COMPUTER SCIENCE AND TECHNOLOGY

8.<u>,<sub>,<sup>
<!DOCTYPE html>
<html>
<body>
<u>Computer Science And Technology</u>
<p>This text contains _{subscript} text.</p>
<p>This text contains ^{superscript} text.</p>
</body>
</html>
OUTPUT:

<u>Computer Science And Technology</u>

This text contains subscript text.

This text contains superscript text.

9.<pre>,<small>
<!DOCTYPE html>
<html>
<body>
<h1>The pre and small element</h1>
<pre>
Text in a pre element
is displayed in a fixed-width
font, and it preserves
both spaces and
line breaks
</pre>
<small>Our department is best</small>
</body>
</html>

OUTPUT:

The pre and small element

```
Text in a pre element
is displayed in a fixed-width
font, and it preserves
both spaces and
line breaks
```

Our department is best

10.<abbr>

<!DOCTYPE html>

<html>

<body>

<h1>The abbr element</h1>

<p>The <abbr title="World Health Organization">WHO</abbr> was founded in 1948.</p>

</body>

</html>

OUTPUT:

The pre and small element

```
Text in a pre element
is displayed in a fixed-width
font, and it preserves
both spaces and
line breaks
```

Our department is best

11.<code>

<!DOCTYPE html>

<html>

<body>

<h1>The code element</h1>

<p>The HTML <code>button</code> tag defines a clickable button.</p>

<p>The CSS <code>background-color</code> property defines the background color of an element.</p>

</body>

</html>

OUTPUT:

The code element

The HTML `button` tag defines a clickable button.

The CSS `background-color` property defines the background color of an element.

12.<samp>

<!DOCTYPE html>

<html>

<body>

<h1>The samp element</h1>

<p>Message from my computer:</p>

<p><samp>File not found.
Press F1 to continue</samp></p>

</body>

</html>

OUTPUT:

The samp element

Message from my computer:

```
File not found.
Press F1 to continue
```

13.<kbd>
```
<!DOCTYPE html>
<html>
<body>
<h1>The kbd element</h1>
<p>Press <kbd>Ctrl</kbd> + <kbd>C</kbd> to copy text (Windows).</p>
<p>Press <kbd>Cmd</kbd> + <kbd>C</kbd> to copy text (Mac OS).</p>
</body>
</html>
```
OUTPUT:

The kbd element

Press `Ctrl` + `C` to copy text (Windows).

Press `Cmd` + `C` to copy text (Mac OS).

14.<var>
```
<!DOCTYPE html>
<html>
<body>
<h1>The var element</h1>
<p>The area of a triangle is: 1/2 x <var>b</var> x <var>h</var>, where <var>b</var> is the
base, and <var>h</var> is the vertical height.</p>
</body>
</html>
```
OUTPUT:

The var element

The area of a triangle is: $1/2$ x b x h, where b is the base, and h is the vertical height.

15.<del>
```
<!DOCTYPE html>
<html>
<body>
<h1>The del element</h1>
<p>My favorite color is <del>blue</del> <ins>red</ins>!</p>
</body>
</html>
```
OUTPUT:

The del element

My favorite color is ~~blue~~ <ins>red</ins>!

16.\<ins>
```
<!DOCTYPE html>
<html>
<body>
<h1>The ins element</h1>
<p>My favorite color is <del>blue</del> <ins>red</ins>!</p>
</body>
</html>
```
OUTPUT:

The ins element

My favorite color is ~~blue~~ <u>red</u>!

17.\<mark>
```
<!DOCTYPE html>
<html>
<body>
<h1>The mark element</h1>
<p>Do not forget to buy <mark>milk</mark> today.</p>
</body>
</html>
```
OUTPUT:

The ins element

My favorite color is ~~blue~~ <u>red</u>!

18.\<mark>
```
<!DOCTYPE html>
<html>
<body>
<h1>The mark element</h1>
<p>Do not forget to buy <mark>milk</mark> today.</p>
</body>
</html>
```
OUTPUT:

The mark element

Do not forget to buy <mark>milk</mark> today.

19.<blackquote>
```
<!DOCTYPE html>
<html>
<body>
<h1>The blockquote element</h1>
<blockquote cite="http://www.worldwildlife.org/who/index.html">
For 50 years, WWF has been protecting the future of nature.
</blockquote>
</body>
</html>
```
OUTPUT:

The blockquote element

For 50 years, WWF has been protecting the future of nature.

20.<s>
```
<!DOCTYPE html>
<html>
<body>
<h1>The s element</h1>
<p><s>Only 50 tickets left!</s></p>
<p>SOLD OUT!</p>
</body>
</html>
```
OUTPUT:

The s element

~~Only 50 tickets left!~~

SOLD OUT!

21.<address>
```
<!DOCTYPE html>
<html>
<body>
<h1>The address element</h1>
<address>
Written by <a href="mailto:webmaster@example.com">Jon Doe</a>.<br>
Visit us at:<br>
Example.com<br>
Box 564, Disneyland<br>
USA
</address>
</body>
</html>
```

OUTPUT:

The address element

Written by [Jon Doe](#).
Visit us at:
Example.com
Box 564, Disneyland
USA

22.<cite>

```
<!DOCTYPE html>
<html>
<body>
<h1>The cite element</h1>
<img src="img_the_scream.jpg" width="220" height="277" alt="The Scream">
<p><cite>The Scream</cite> by Edward Munch. Painted in 1893.</p>
</body>
</html>
```

OUTPUT:

The cite element

The Scream by Edward Munch. Painted in 1893.

23.<dfn>

```
<!DOCTYPE html>
<html>
<body>
<h1>The dfn element</h1>
<p><dfn>HTML</dfn> is the standard markup language for creating web pages.</p>
</body>
</html>
```

OUTPUT:

The dfn element

HTML is the standard markup language for creating web pages.

24.<meter>
<!DOCTYPE html>
<html>
<body>
<h1>The meter element</h1>
<label for="disk_c">Disk usage C:</label>
<meter id="disk_c" value="2" min="0" max="10">2 out of 10</meter>
<label for="disk_d">Disk usage D:</label>
<meter id="disk_d" value="0.6">60%</meter>
<p>Note: The meter tag is not supported in Edge 12 (or earlier).</p>
</body>
</html>
OUTPUT:

The meter element

The meter element is used to display a gauge:

Disk usage C: ▇▭▭▭▭
Disk usage D: ▇▇▇▭▭

Note: The meter tag is not supported in Edge 12 (or earlier).

25.<progress>
<!DOCTYPE html>
<html>
<body>
<h1>The progress element</h1>
<label for="file">Downloading progress:</label>
<progress id="file" value="32" max="100"> 32% </progress>
</body>
</html>
OUTPUT:

The progress element

Downloading progress: ▇▇▇▭▭▭▭▭▭▭

26.<q>
<!DOCTYPE html>
<html>
<body>
<h1>The q element</h1>
<p>WWF's goal is to:
<q>Build a future where people live in harmony with nature.</q>
We hope they succeed.</p>

```
</body>
</html>
```
OUTPUT:

The q element

WWF's goal is to: "Build a future where people live in harmony with nature." We hope they succeed.

27.<template>
```
<!DOCTYPE html>
<html>
<body>
<h1>The template Element</h1>
<p>Click the button below to display the hidden content from the template element.</p>
<button onclick="showContent()">Show hidden content</button>
<template>
  <h2>Flower</h2>
  <img src="img_white_flower.jpg" width="214" height="204">
</template>
<script>
function showContent() {
  var temp = document.getElementsByTagName("template")[0];
  var clon = temp.content.cloneNode(true);
  document.body.appendChild(clon);
}
</script>
</body>
</html>
```
OUTPUT:

The template Element

Click the button below to display the hidden content from the template element.

Show hidden content

Flower

28.\<time\>

```
<!DOCTYPE html>
<html>
<body>
<h1>The time element</h1>
<p>Open from <time>10:00</time> to <time>21:00</time> every weekday.</p>
<p>I have a date on <time datetime="2008-02-14 20:00">Valentines day</time>.</p>
<p><b>Note:</b> The time element does not render as anything special in any of the major browsers.</p>
</body>
</html>
```

OUTPUT:

The time element

Open from 10:00 to 21:00 every weekday.

I have a date on Valentines day.

Note: The time element does not render as anything special in any of the major browsers.

29.\<img\>

```
<!DOCTYPE html>
<html>
<body>
<h1>The img element</h1>
<img src="img_girl.jpg" alt="Girl in a jacket" width="500" height="600">
</body>
</html>
```

OUTPUT:

The img element

30.\<figure\>,\<figcaption\>

```
<!DOCTYPE html>
<html>
<body>
<h1>The figure and figcaption element</h1><figure>
```

```
  <img src="pic_trulli.jpg" alt="Trulli" style="width:100%">
  <figcaption>Fig.1 - Trulli, Puglia, Italy.</figcaption>
</figure>
</body>
</html>
```
OUTPUT:

The figure and figcaption element

Fig.1 - Trulli, Puglia, Italy.

31.<picture>
```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>
<body>
<h1>The picture element</h1>
<p>Resize the browser window to load different images.</p>
<picture>
  <source media="(min-width:650px)" srcset="img_pink_flowers.jpg">
  <source media="(min-width:465px)" srcset="img_white_flower.jpg">
  <img src="img_orange_flowers.jpg" alt="Flowers" style="width:auto;">
</picture>
</body>
</html>
```
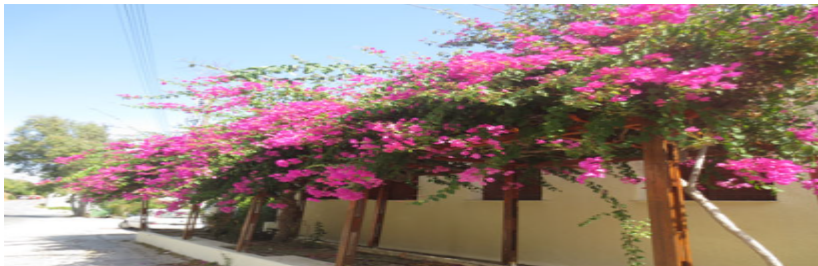
The picture element

Resize the browser window to load different images.

OUTPUT:

32.<map>

```
<!DOCTYPE html>
<html>
<body>
<h1>The map and area elements</h1>
<p>Click on the computer, the phone, or the cup of coffee to go to a new page and read more
about the topic:</p>
<img src="workplace.jpg" alt="Workplace" usemap="#workmap" width="400" height="379">
<map name="workmap">
  <area shape="rect" coords="34,44,270,350" alt="Computer" href="computer.htm">
  <area shape="rect" coords="290,172,333,250" alt="Phone" href="phone.htm">
  <area shape="circle" coords="337,300,44" alt="Cup of coffee" href="coffee.htm">
</map>
</body>
</html>
```

OUTPUT:

33.<canvas>

```
<!DOCTYPE html>
<html>
<body>
<canvas id="myCanvas" width="200" height="100" style="border:1px solid #000000;">
Your browser does not support the HTML canvas tag.
</canvas>
</body>
</html>
```

OUTPUT:

34.<svg>
```
<!DOCTYPE html>
<html>
<body>
<svg width="100" height="100">
  <circle cx="50" cy="50" r="40"
  stroke="green" stroke-width="4" fill="yellow" />
Sorry, your browser does not support inline SVG.
</svg>
</body>
</html>
```
OUTPUT:

35.<a>
```
<!DOCTYPE html>
<html>
<body>
<h1>The a element</h1>
<a href="https://www.w3schools.com">Visit W3Schools.com!</a>
</body>
</html>
```
OUTPUT:

The a element

Visit W3Schools.com!

36.<link>
```
<!DOCTYPE html>
<html>
<head>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
<h1>Hello World!</h1>
<h2>I am formatted with a linked style sheet.</h2>
<p>Me too!</p>
</body>
</html>
```
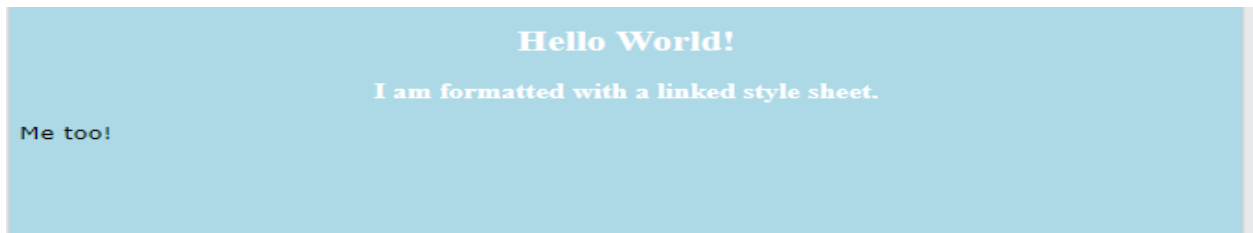
OUTPUT:

> **Hello World!**
>
> **I am formatted with a linked style sheet.**
>
> **Me too!**

37.<nav>
```
<!DOCTYPE html>
<html>
<body>
<h1>The nav element</h1>
<p>The nav element defines a set of navigation links:</p>
<nav>
<a href="/html/">HTML</a> |
<a href="/css/">CSS</a> |
<a href="/js/">JavaScript</a> |
<a href="/python/">Python</a>
</nav>
</body>
</html>
```
OUTPUT:

The nav element

The nav element defines a set of navigation links:

HTML | CSS | JavaScript | Python

38.<ol>,<li>
```
<!DOCTYPE html>
<html>
<body>
<h1>The ol element</h1>
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
<ol start="50">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```

```
</body>
</html>
```
OUTPUT:

The ol element

1. Coffee
2. Tea
3. Milk

50. Coffee
51. Tea
52. Milk

39.<ul>,<li>
```
<!DOCTYPE html>
<html>
<body>
<h1>The ul element</h1>
<ul>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
</body>
</html>
```
OUTPUT:

The ul element

- Coffee
- Tea
- Milk

40.<dl>
```
<!DOCTYPE html>
<html>
<body>
<h1>The dl, dd, and dt elements</h1>
<dl>
  <dt>Coffee</dt>
  <dd>Black hot drink</dd>
  <dt>Milk</dt>
  <dd>White cold drink</dd>
</dl>
</body>
</html>
```
OUTPUT:

The dl, dd, and dt elements

These three elements are used to create a description list:

Coffee
     Black hot drink
Milk
     White cold drink

41.<dt>

```
<!DOCTYPE html>
<html>
<body>
<h1>The dl, dd, and dt elements</h1>
<p>These three elements are used to create a description list:</p>
<dl>
  <dt>Coffee</dt>
  <dd>Black hot drink</dd>
  <dt>Milk</dt>
  <dd>White cold drink</dd>
</dl>
</body>
</html>
```

OUTPUT:

The dl, dd, and dt elements

These three elements are used to create a description list:

Coffee
     Black hot drink
Milk
     White cold drink

42.<dd>

```
<!DOCTYPE html>
<html>
<body>
<h1>The dl, dd, and dt elements</h1>
<dl>
  <dt>Coffee</dt>
  <dd>Black hot drink</dd>
  <dt>Milk</dt>
  <dd>White cold drink</dd>
</dl>
</body>
</html>
```

OUTPUT:

The dl, dd, and dt elements

These three elements are used to create a description list:

Coffee
    Black hot drink
Milk
    White cold drink