

PRONIC-TECH
HTML PROGRAMMING SKILLS

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HTML INTRODUCTION

The HTML editors are software that is used to create/make up the webpage there are so many text editors but some of them are following

- Notepad
- Notepad++
- Text edit
- Sublime text editor
- ATOM
- Brackets

also, there is the text editor for android app some of them are following

- Quoda
- Quick edit
- Droid editor
- Dcoder
- HTML editor

SAVING THE FILES

You need to save your HTML files with the .html file extension

how to save the HTML file

after writing the code follow the following steps

- i. click on file
- ii. click on save as
- iii. choose your favorite place you want to put file to be appear
- iv. Write the file name and then type .html

by following the following steps your file will be appear in your favorite place with the symbol of the internet browser

note;

if you don't save your file with the .html. You won't be able to run it on browser the

formular for saving the html file
the file name.html

How to reload your changes in text editor

if your make the changes on your text editor the changes will not be seen in the browser but there are steps to follow in order to make the changes to be seen in the browser Those steps are following

1. click on file
2. click on save
3. close the text editor/minimize the text editor
4. open the html document with internet browser
5. click on the reload



running symbol on the browser

By doing that you will see the changes you make on the text editor

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HTML PARAGRAPH

Paragraph tag is used to make the paragraph

The paragraph tags are written inside the body tag

The **<p>** element represents the html paragraph

In the paragraph tag you can add number in front of the **p** in order to be easily to identify the number of paragraphs. The paragraph tag has an ending tag **</p>**

formular

<p(number of paragraph)>text</p>

HTML CODE PROGRAMMING

```
<!DOCTYPE html>
<html>
<head>code programming
<title>programming technical</title>
</head><body><br>
<p1> I am first paragraph in th body tag</p>
<p2> I am second paragraph in th body tag</p>
<p3> I am third paragraph in th body tag</p>
<p4> I am fourth paragraph in th body tag</p>
</body></html>
```

OUTPUT

```
code programming
I am first paragraph in th body tag

I am second paragraph in th body tag

I am third paragraph in th body tag

I am fourth paragraph in th body tag
```

HTML HEADS

Heads tags are used to judge the size of the text

there are six types of the heads which are

1. **<h1>**
2. **<h2>**
3. **<h3>**
4. **<h4>**
5. **<h5>**
6. **<h6>**

the size of the text is depending on the number of the head tag

the head programming principle

the small value of the number of head tags the great the of the text and the great value of number of head tag the small the size of the text

the formular for head tag

<h(number from 1-6)>

HTML CODES

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body>
<h1>i am heading one </h1>
<h2>i am heading two</h2>
<h3>i am heading three</h3>
<h4>i am heading four</h4>
<h5>i am heading five</h5>
<h6>i am heading six</h6>
</body></html>
```

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OUTPUT

code programming

i am the heading one

i am the heading two

i am the heading three

i am the heading four

i am the heading five

i am the heading six

HTML LINE BREAKING

In html there is two types of cutting line

1. Single line breaking
2. multiple lines breaking

Single line breaking

We use
 tag to cut a single line on the webpages

Single line breaking tag has no ending tag hence it cut just a single line in the webpage

So, where we place our
 it is where the line will be cut of in the webpage

HTML CODE PROGRAMMING

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>code programming
```

```
<title>programming technical</title>
```

```
</head><body><br>
```

```
Pronic Tech association <br>is the  
association of innovators students  
especially in science <br>and technology  
</body></html>
```

OUTPUT

code programming

Pronic Tech association

is the association of innovators

students especially in science

and technology

Multiple line breaking

In the webpages we can break/cut a multiple line through <pre>

Hence it cuts multiple lines so we need to identify the end of cutting lines by Using end tag of </pre> which means the end of cutting lines

Multiple line breaking tag allowing appearance of words in webpage as words are written

In the text editor

Using of <pre> tag makes words to appear in monospace fonts

HTML CODE PROGRAMMING

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>code programming
```

```
<title>programming technical</title>
```

```
</head><body><pre>
```

```
Pronic Tech association
```

```
is the association of innovators
```

```
students especially in science
```

```
and technology
```

```
</pre>
```

```
</body></html>
```

OUTPUT

code programming

Pronic Tech association

is the association of innovators

students especially in science

and technology

HTML TEXT-FORMATTING

Formatting text is very essential for

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webpage It makes the webpage text to be more presentable

Element of formatting text

It is the tag that is used to bold the text

<i>

It is the tag that is used to make the words (characters) to bend forward

<u>

It is the tag that is used to make the text to be underline

<code>

It is used to represent the computer code in the web page (the characters will be moonscape)

<tt>

It is the tag that is used to make the words as typewriter

<small>

It is the tag that is used to make the words small

Emphasizes a text. May be italicized depend on the web browser

<q>

emqiotes a text

<s>

It is the tag that makes the line to pass through characters

<sub >

It is the tag that is used to make the word to appear below the line of a text

<sup>

It is the tag that is used to make the word to appear above the line of a text

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
```

```
<head>code programming
```

```
<title>programming technical
```

```
</title></head><body>
```

```
<b>I am a bolded text. </b><br>
```

```
<i> I am an italic text</i><br >
```

```
<u> I am an underlined text.</u><br>
```

```
<code> I am a code text.</code><br>
```

```
<tt> I am a typewriter text.</tt><br>
```

```
<small>I am a small text.</small><br>
```

```
<em>I am a an emphasized text.</em>
```

```
<br>
```

```
<strong> I am a strong  
text</strong><br>
```

```
<mark> I am a marked  
text.</mark><br>
```

```
<q> I am an enquoted text.</q><br>
```

```
<s> I am a striked text.</s><br>
```

```
I am a <sup>superscripted  
text</sup><br>
```

```
I am a <sub>subscripted  
text</sub><br>
```

```
<b><i><u><mark><code><q><sub><s>  
>I am a</sub> mixed formatted<sup>  
text.</sup> </q></mark> </u> </i>  
</b>
```

```
</body><br>
```

```
</html>
```

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OUTPUT

```
code programming I am a bolded text.  
I am an italic text  
I am an underlined text.  
I am a code text.  
I am a typewriter text.  
I am a small text.  
I am a an emphasized text.  
I am a strong text  
I am a marked text.  
"I am an enquoted text."  
I am a striked text.  
I am a superscripted text  
I am a subscripted text  
"I am a mixed formatted text."
```

HTML HORIZONTAL RULE

horizontal rule renders a line in a webpage

The <hr> element represent HTML horizontal ruler

and it has no ending tag

where <hr> tag will be putted it is where the line will appear

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
```

```
<head>code programming
```

```
<title>programming technical
```

```
</title></head>
```

```
<body>
```

```
<p1>i am the first paragraph with the horizontal rule </p>
```

```
<hr >
```

```
<p2>i am the second paragraph with the horizontal rule </p>
```

```
<hr>
```

```
</body>
```

```
</html>
```

OUTPUT

```
code programming  
i am the first paragraph with the horizontal rule  
  
i am the second paragraph with the horizontal rule
```

HTMLCOLOUR

Html color defines colour that we see on web pages

HOW COLOUR CAN BE REPRESENTED

Html color can be represented in three forms by using its

Colour name

It defines any valid color by identify the colour name e.g.

-red so the color will appear red in the webpage

- green so the color will appear green in the webpage

RGB colour value

It defines any colour by entering the numbers which represents the intensity of colour

RGB is the short form of the following colour

- Red
- Green
- Blue

In this form of representation of colour other colour different from

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those three colour redgreenblue they are formed through the mixture of those three colour e.g.

❖ Red+blue=magenta

❖ Blue+green=cyan

RGB color intensity is identified by numbers from 0-125

the number show the intensity of the colour in mixture of all three colour

Note; the numbers must be inside the brackets

formula for represent the RGB colour

<colour section

name="(RRR,GGG,BBB)">

KEY

❖ **RRR; intensity value of red colour**

❖ **GGG; intensity value of green colour**

❖ **BBB; intensity colour of blue colour**

HEX color value

It defines the colour by using numbers and letters which represent the intensity of colour

The numbers and letter represent the color intensity of red, green and blue colours

The system of using number and letters

❖ Numbers are used from 0-9

❖ letters are used from a -f

Other colours can be represented by using the mixture of those three colours by representing the three colours intensity by using numbers and letters

Examples

➤ blue =#0000ff

➤ cyan=#00ffff

THE COLOURED SECTIONS

In this section we will learn two coloured sections

➤ **webpage colour**

➤ **font colour**

WEBPAGE COLOUR

The webpage can be coloured by using the HTML code

The tag for colouring the webpage can be written anywhere before the HTML closing tag

The tag that is used to colour the webpage is <body bgcolor="colour name/value">

Note; the webpage colouring tag is written inside the body tag there is no need to write the word body because the body tag also will take part as the tag for colour so you can write <bgcolor>

➤ **FONT COLOUR**

The words in the webpage also can be coloured by using html code

The code that is used to colour the characters in the webpage is

The font color has a closing tagthe text inside the font color tag will be appear with the colour that is written in the starting tag of font colour

HTML colour code programming

<!DOCTYPE html>

<html>

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```
<head>Code programming
<title>programming
technical</title><head>
<body bgcolor="#000"><font
color="white">
```

Background colour is set as black color with white font colour

On how font colour is applied you will study on the next stage

```
</font>
</body></html>
```

OUTPUT

Code programming
Background colour is set as black color with white font colour
On how font colour is applied you will study on the next stage

HTML colour code programming

```
<!DOCTYPE html>
<html>
<head>Code programming
<title>programming
technical</title><head>
<body><b>font color by name </b>
<font color="red"><br>
I am the red coloured text</font
color> <b>font color by rgb value </b>
<font color="rgb(255,0,0)"> <br>
i am the red coloured text</font
color>
<b>font color by hex color value </b>
<font color="#ff0000"><br>
```

```
i am the red coloured text
</font color><br>
</body></html>
```

OUTPUT

Code programming
font color by name
i am the red coloured text

font color by rgb value
i am the red coloured text

font color by hex color value
i am the red coloured text

HTML LIST

the<list> element used to identify the listed items

The text inside the element the browser will considering it as the listed item

In web page the categories can be listed in three forms which are

1. Order list
2. Unorder list
3. Definition list

Order list

is the arrangement of categories by numbering

The element represent the order list

THE ORDER LIST ATTRIBUTES

type

Is the attribute that is used to identify the type numbering

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start

Is the attribute that is used to identify the starting point of numbering type

note; The listed items should be in the list tag

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical</title>
</head><body><br><b>ORDER
LIST</b>
<ol type="A" start="A">
<li>i am the first order list</li>
<li> am the second order
list</li></ol>
<ol type="1" start="90">
<li>i am the first order list</li>
<li> am the second order list</li>
</ol></body></html>
```

OUTPUT

code programming
ORDER LIST

A. i am the first order list
B. am the second order list

90. i am the first order list
91. am the second order list

Unordered list

is the arrangement of items by using bullets

The `` element is used to represent the unordered list

The type attribute is used to specify the type of bullet example circle

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body><br>
<b>unorder list</b>
<ul type="circle" ><li>iam the first
unodered list</li>
<li>i am the second unordered
list</li></ul><ul type="square" >
<li>iam the first unodered list</li>
<li>i am the second unordered
list</li></ul></body></html>
```

OUTPUT

code programming
unorder list

- iam the first unodered list
- i am the second unordered list
- iam the first unodered list
- i am the second unordered list

Definition list

Is the arrangement of items in form of glossary

The `<dl>` define the define the definition list

In definition list the following tags are used for different purpose

`<dl>`

identify the definition list

`<dt>`

identity the defined term

`<dd>`

identify defined data of defined term

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note; In definition list the list tag will not be used but it used <dd><dt> to replace the purpose of the list tag

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title><!DOCTYPE html>
programming technical
</title></head><body><br>
<b>definition list</b><dl>
<dt>defined term</dt>
<dd>i am the first Definition data of
defined term</dd><br>
<dt>COMPUTER</dt>
<dd>Is the electronic machine that
input data and output information
</dd></dl></body></html>
```

OUTPUT

```
code programming
definition list

defined term
  i am the first Definition data of defined term

COMPUTER
  Is the electronic machine that input data
  and output information
```

HTML MARQUEE

An HTML marquee is a scrolling piece of text displayed either horizontally across or vertically down or up the web page depending on the settings. Normal marquee text flow from right to left

The marquee tag has the it's attributes in order to make it more presentable

formular

```
<marquee attribute name="attribute
value".....more attribute> marquee
text</marquee>
```

EXAMPLE OF NORMAL MARQUEE TEXT

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body>
<marquee>
I am the marquee text
</marquee>
</body></html>
```

OUTPUT

code programming

← I am a marquee text →

HTML marquee attributes

width

This is an attribute that control the starting point of marquee text in the web page. The width attribute value can be in form of percentage or pixels scale

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head>
<body><br>
<b>marquee text with width
attribute</b><br>
<marquee width="50%">
```

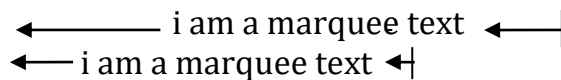
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```
i am a marquee text  
</marquee><br>  
<marquee width="200px">  
i am a marquee text  
</marquee></body></html>
```

OUTPUT

code programming
marquee with width attribute



height

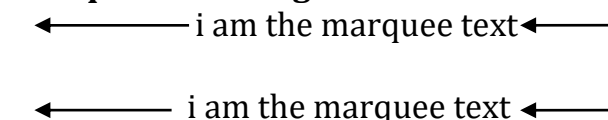
This is an attribute that control the From marquee text its self-downward the web page. The height attribute value is represented in pixels scale

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>  
<head>code programming<br>  
<title>programming technical  
</title></head><body>  
<b>marquee height attribute</b>  
<marquee height="27px">  
i am the marquee text</marquee>  
<marquee height="28px">  
i am the marquee text  
</marquee></body></html>
```

OUTPUT

code programming
marquee with height attribute



direction

this specifies the direction in which marquee text should scroll(flow)

the direction values

- **up;**
- ✓ the marquee text will scroll from down to up
- **down;**
- ✓ the marquee text will scroll from down to up
- **right;**
- ✓ the marquee text will scroll left to right
- **left;**
- ✓ the marquee text will scroll from right to left
- ✓

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical</title>  
</head><body>  
<b>marquee with direction  
attribute</b>  
<marquee direction="right">  
i am the marquee text</marquee>  
<marquee direction="left">  
i am the marquee text</marquee>  
<marquee direction="down">  
i am the marquee text</marquee>  
<marquee direction="up">  
i am the marquee text</marquee>  
</body></html>
```

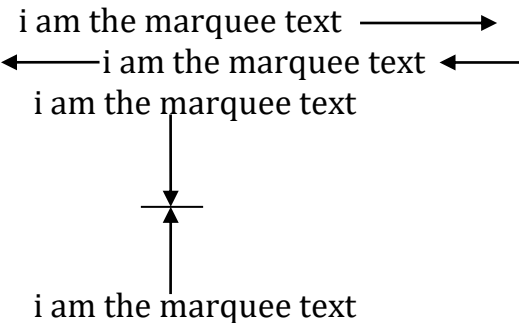
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OUTPUT

code programming

marquee with direction attribute



behavior

this specifies the type of scrolling of the marquee text.

The behavior values

- **scroll**
- ✓ The marquee text will flow forever towards the selected direction
- **slide**
- ✓ The marquee text will flow once towards the selected direction
- **alternate**
- ✓ The marquee text will flow forever towards the selected direction and turn back from where it starts to flow

HTML CODE PROGRAMMING

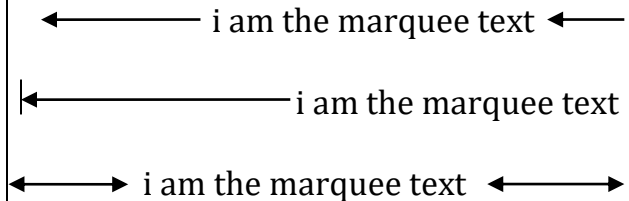
```
<!DOCTYPE html><html>
<head>code programming<br>
<title>programming technical</title>
</head><body>
<b>marquee with behavior
attribute</b>
<marquee behavior="scroll">
i am the marquee text</marquee>
<marquee behavior="slide">
i am the marquee text</marquee>
```

```
<marquee behavior="alternate">
i am the marquee text</marquee>
</body></html>
```

OUTPUT

code programming

marquee with behavior attribute



scrolldelay

This specifies the time to delay between each jump. The unit of scroll delay is milliseconds

1ms=1000s

Scrolldelay=one-word per milliseconds

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical</title>
</head><body>
<b>marquee scrolldelay attribute</b>
<marquee scrolldelay="2000">
i am the marquee text</marquee>
<marquee scrolldelay="500">
i am the marquee text
</marquee>
</body></html>
```

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OUTPUT

code programming

marquee with height attribute

← i am the marquee text ←

← i am the marquee text ←

scrollamount

This specifies the speed of the marquee text. This can have the value like 10

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming<br>
<title>programming technical
</title></head><body>
<b>marquee scrollamount
attribute</b>
<marquee scrollamount="90">
i am the marquee text</marquee>
<marquee scrollamount="50">
i am the marquee text
</marquee>
</body>
</html>
```

OUTPUT

code programming

marquee with height attribute

← i am the marquee text ←

← i am the marquee text ←

loop

This specifies how many times the marquee text should flow.

In order to make a loop in the marquee text you must put the number with t to represent times Example;<marquee loop="2t">so the text will flow two times the default value is **infinite**; which means that marquee text will flow (scroll) forever

HTML CODE PROGRAMMING

```
<!DOCTYPE html>
<html>
<head>code programming<BR>
<title>programming technical
</title>
</head>
<body>
<b>marquee loop attribute</b>
<marquee loop="infinity">
i am the marquee text
</marquee>
<marquee loop="5t">
i am the marquee text
</marquee></body></html>
```

OUTPUT

code programming

marquee with height attribute

← i am the marquee text ←

← 5times i am the marquee text ←

bgcolor

This specifies the background color of the marquee text

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HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body>
<b>marquee bgcolor attribute</b>
<marquee bgcolor="blue%">
i am the marquee text</marquee>
<marquee bgcolor="red">
i am the marquee text
</marquee>
</body></html>
```

OUTPUT

code programming
marquee with height attribute
← i am the marquee text ←
← i am the marquee text ←

hspace

This specifies the horizontal space(distance) around the marquee text. the hspace attribute value represented in percentage form or in pixels scale

HTML CODE PROGRAMMING

```
<!DOCTYPE html>
<html>
<head>code programming
<title>programming technical
</title>
</head>
<body>
<b>marquee hspace attribute</b>
```

```
<marquee hspace="50%">
i am the marquee text</marquee>
<marquee hspace="20px">
i am the marquee text
</marquee></body></html>
```

OUTPUT

code programming
marquee with height attribute
← i am the marquee text ←
← i am the marquee text ←

vspace

this specifies the vertical space around the marquee text. The vspace attribute value can be represented in percentage form

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body>
<b>marquee vspace attribute</b>
<marquee vspace="20%">
i am the marquee text</marquee>
<marquee vspace="50">
i am the marquee text
</marquee></body></html>
```

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OUTPUT

code programming

marquee with height attribute

← i am the marquee text ←

← i am the marquee text ←

deleted on the directory or wrong URL value specified in the **src** attribute

width

Defines the width of the image. It is advices to use percentage values in the width of images in order to allow the image to be response in any device's width

height

Define the height of the image

INSERTION OF MEDIAS IN WEBPAGE THROUGH HTML

Media that can be inserted in the webpage through HTML language are

- ✓ Images
- ✓ Videos
- ✓ Audios

INSERTION OF IMAGES

Images in a website help to be more attractive for visitors and help them to understand well through images
To put an image we simply need use the **** tag with **src** attribute

THE HTML IMAGES ATTRIBUTE

src

Define the images' URL or file path

alt

Provide an alternative text for an image if the image will not be displayed in the webpage.
Sometimes the image may not load on the user's browser because of slow connection, slow server, image is

HTML CODE PROGRAMMING

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>code programming
```

```
<title>programming technical
```

```
</title></head>
```

```
<body><br>
```

The text in the alt will not displayed
 because the image is displayed in the web page

```
<br>The image below  
does not display in the web browser  
<br>
```

and when you put alt attribute with a short text it will display


```
</body></html>
```

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src


It specifies a file path that points to the audio

OUTPUT

code programming

The text in the alt will not displayed because the emage is displayed in the web page



The emage below do not display in the web browser and when you put alt attribute with a short text it will desplay 

HTML CODES PROGRAMMING

```
<!DOCTYPE html><html>
<head>Code programming
<title>programming technical</title>
</head><body>
<audio src="living.mp3" controls>
</audio>
</body>
</html>
```

OUTPUT

Code programming



HTML AUDIO

Html audio in this section we will study about on how to insert/put the audio from your device to the webpage

In order to insert audio in webpage you need to use <audio>

AUDIO ATTRIBUTES

autoplay

If s0ecified,the embed audio will automatically begin to play as soon as possible

controls

If specified, the embedded audio will have controls provided by the browser

loop

If specified, the embedded audio will play forever<="" dd="">

muted

If the specified, the embedded audio will play without sound

HTML VIDEO

To enter the video in web page we use <video> with src attribute

You can specify a text inside the video element that will be shown as a fallback in browsers that don't support embedded videos

VIDEO ATTRIBUTES

autoplay

It controls specified embedded video to be play automatically

controls

It commands the browser to provide the controls key for the embedded video

loop

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HTML PROGRAMMING SKILLS

It specified, the embedded video will play over and over again in an endless loop

muted

it specified, the embedded video will play without sound(muted)

poster

It specifies a file path that points to an image file that will be shown while the file is downloading

src

It specifies the file path that points to be video file

width

It specifies the width of the embedded video to display in the web page it can be either in percentage or pixels

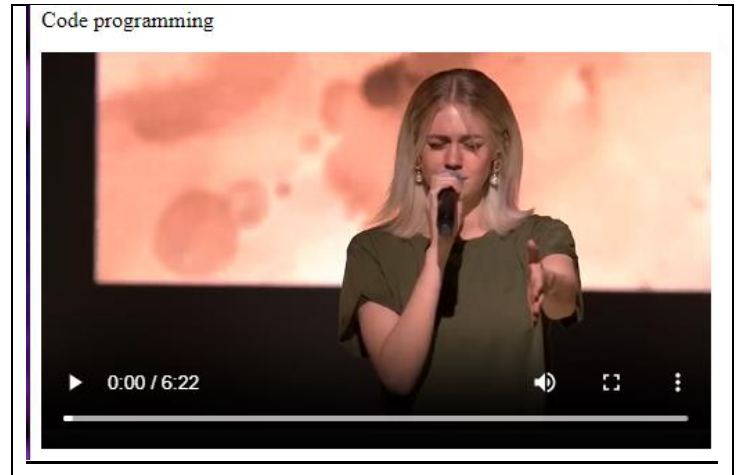
height

It specifies the height of the embedded video to display in the web page

HTML CODE PROGRAMMING

```
<!DOCTYPE html>
<html>
<head>Code programming
<title>programming technical</title>
</head>
<body>
<video type="video/mp4" controls
width="100%" height="300px"
src="Living Hope.mp4" alt="alert">
</video>
</body>
</html>
```

OUTPUT



HTML you Tubes videos

how to embed the YouTube video and embed the video on webpage

1. create the YouTube channel with any google account
2. upload the video that we want to add to our website
3. embed the video to our website
4. click share
5. click embed
6. copy the code from the box that appears
7. paste the code to your HTML code

HTML TABLE

Is the representation of the data/information in column and rows.

The **<table>** element represents an HTML table.

NOTE; the data in the table are entered in form of row that's why in any case of entering data /information in the table all data /information should be inside the **<tr>** tag

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HTML PROGRAMMING SKILLS

HTML table elements

<thead>

It is the tag that consists the data/information that are entered at the top of the table rows

<tbody>

It is the tag that consists the data/information that are entered as the expression of the table head

<tfooter>

It is the tag that consists the data/information that are entered at the bottom of the table rows

<tr>

It is tag that is used to entire data/information in the table

<colspan>

It is the tag that is used to specify how many columns should be merged(spanned)

<th>

It is the tag that is used to specify the data/information that are entered in the header of the table

<td>

It is the tag that is used to specify the data /information as the expression of header columns of a table.

<rowspan>

It is the tag that is used to specify how many rows should be merged(spanned)

<colgroup>

It is the tag that is used to select group of one or more columns that should have specific characteristics in the table

<col>

It is the tag that is inside the colgroup tag which specify the properties of the colgroud

<caption>

It the tag that used to put the text as the head of the whole table

HTML Table attributes

align

It is the attribute that is used to make to have specified side to be appear in the browser

bgcolor

It is the attribute that control the background colour of the table

border

It is an attribute that is used to control the size of the border

cellpadding

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HTML PROGRAMMING SKILLS

is used to control the size of the cell in a table

frame

It is used to control the outside border lines

Values of the frame

- **above**
- ✓ The border line will appear only above (top) the table
- **below**
- ✓ The border line will appear only at the bottom of the table
- **vsides**
- ✓ The border line will appear only in vertically sides
- **hsides**
- ✓ The border line will appear only in horizontally sides
- **Box**
- ✓ The border lines will appear in all sides
- **rules**
- ✓ It is used to control the border lines inside the table

Values of the rules

- **cols**
- ✓ The border lines will appear between columns
- **rows**
- ✓ The border lines will appear between rows
- **all**
- ✓ The border lines will appear between columns and rows

summary

Defines an alternative text that summarizes the content of the table

width

It is an attribute that is used to control the width of the table. It can be in form of pixels or percentage

border-collapse with value of "collapse"

It is used to rid of the cell border

border-spacing

Is used to control the between the border

HTML TABLE CODE PROGRAMMING

1. NORMAL TABLE

```
<!DOCTYPE html><html>
<head> CODE PROGRAMMING
<title>programming technical</title>
</head><body >
<table>
<thead><tr>
    <th> First Name </th>
    <th> Last Name </th></tr>
</thead>

<tbody><tr>
    <td>JACKSON </td>
    <td>JUMA</td></tr>
</tbody>
<tfoot><tr>
    <td>BAKARI</td>
    <td>BARAKA </td></tr>
```

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HTML PROGRAMMING SKILLS

```
</tfoot></table><br>
</body></html>
```

OUTPUT

```
CODE PROGRAMMING
First Name Last Name
JACKSON JUMA
BAKARI BARAKA
```

```
<td> FEMA </td>
</tr>
<tr>
<td> ISACK </td>
<td> ABDUL </td>
<td> ICS </td>
</tr>
</tbody>table>
</body></html>
```

OUTPUT

CODE PROGRAMMING		
FIRST NAME	LAST NAME	CLUB
JOHN	JOHUA	FEMA
ISACK	ABDUL	ICS

2. TABLE WITH COLGROUP

```
<!DOCTYPE html>
<html>
<head>CODE PROGRAMMING
<title>programming technical
</title></head>
<body ><table style="background-
color: silver; width: 50%; border: 2px
solid black">
<colgroup>
<col style="background-color:
yellow">
<col style="background-color: white">
<col style="background-color: red">
</colgroup><thead>
<tr>
<th> FIRST NAME </th>
<th> LAST NAME </th>
<th> CLUB </th>
</tr>
</thead>
<tbody>
<tr>
<td> JOHN </td>
<td> JOHUA </td>
```

3. TABLE WITH COL AND ROW SPAN

```
<!DOCTYPE html>
<html>
<head>CODE PROGRAMMING
<title>programming technical
</title></head>
<body ><table border="2px">
<tr>
<th colspan="4"> CLUB
RECORDS</th>
</tr>
<tr>
<th> FIRST NAME </th>
<th> LAST NAME </th>
<th> CLUB </th>
</tr>
</thead>
<tbody>
<tr>
<td> JOSHUA </td>
```

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HTML PROGRAMMING SKILLS

```
<td> DAUDI </td>
<td rowspan="2"> ICS </td>
</tr><tr>
<td> ISACK </td>
<td> JUMA </td>
</tr>
</tbody>
</table></body></html>
```

OUTPUT

CODE PROGRAMMING		
CLUB RECORDS		
FIRST NAME	LAST NAME	CLUB
JOSHUA	DAUDI	ICS
ISACK	JUMA	

```
<td> RAJABU </td>
<td> DAUDI </td>
<td> FORM 3 D </td>
</tr><tr>
<td> SALUMU </td>
<td> JUMA </td>
<td> FORM 2 F </td></tr>
</tbody></table></body></html>
```

OUTPUT

CODE PROGRAMMING		
FIRST NAME	LAST NAME	CLASS
RAJABU	DAUDI	FORM 3 D
SALUMU	JUMA	FORM 2 F

4. TABLE WITH BORDER- COLLAPSE, BORDER-SPACING AND CELL SPACING

```
<!DOCTYPE html>
<html>
<head>CODE PROGRAMMING
<title>programming technical
</title></head>
<body><table border="1px
cellpadding="0px" style="border-
collapse:collapse" >
<tr>
<th> FIRST NAME </th>
<th> LAST NAME </th>
<th> CLASS </th>
</tr>
</thead>
<tbody>
<tr>
```

HTML LINK

Html link enable a developer to make the link between one page to another webpage

<a> tag and href attributes is used in linking of webpages
href attribute is used to identify the linked webpage

formular

**Element content **

HTML form code programming

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head>
<body>
```

PRONIC-TECH

HTML PROGRAMMING SKILLS

if you click the underlined text, you will
be moved to index.html
webpage

```
<a href="index.html"> click me </a>  
</body>  
</html>
```

OUTPUT

code programming
if you click the underlined text, you will
be moved to index.html
webpage<a> tag
[click me](#)

HTML FORM

HTML forms can be used to collect
user data, make the [login form](#),
[registration](#) , [search form](#), [contact
form](#)

The **<form>** element define an HTML
form

HTML forms attributes

accept charset

Defines the characters set of the form

action

It is an attribute that is used to control
action of the form after been
submitted

autocomplete

Command the browser to
automatically complete the form
elements

enctype

Defines the encoding of the data
submitted by the form

method

Defines the http(hypertext transfer
protocol) method to use when
submitted by the form e.g., GET form
POST

name, id, class

Used to specify the form for the
purpose of styling and document
object manipulation

novalidate

Tells browser not to be validate the
form

onsubmit

It used to call JavaScript function

target

Defines the target of the form e.g.,
target="blank", **form** handler will be
opened
in new tab

autocapitalize

It commands the browser that the
entered data/information
automatically should be
capitalized according to the value
entered

THE VALUES OF AUTOCAPITALIZE

PRONIC-TECH

HTML PROGRAMMING SKILLS

➤ **sentences**

automatically should be capitalized after Command the browser that the entered data/information each sentence

➤ **words**

Command the browser that the entered data/information automatically should be capitalized after each word

➤ **characters**

Command the browser that the entered data/information automatically should be capitalized after each character

autofocus

It specifies whether a form control should be focused as the page loads

autocomplete

It commands the browser to complete the filled data (text value) automatically

disable

Commands the browser to make the entered value to be unchanged (un editable)

max

Commands the browser to control the maximum characters in the form that should be entered

maxlength

Commands the browser to control the number of maximum characters in the form that should be entered

min

Commands the browser to control the minimum characters in the form that should be entered

minlength

Commands the browser to control the number of Maximum characters in the form that should be Entered

multiple

Commands the browser to control the data when submitted to a server. The page handle can get the value of input by referring to its name when it is submitted

pattern

Commands the browser to control regular expression that an inputs value is checked against

placeholder

It provides the words that will be appear in the text area in order to explain to a user what to should be written

required

It commands the browser that the form should be filled before submitted

PRONIC-TECH

HTML PROGRAMMING SKILLS

spellcheck

It commands the browser that the data/information entered in the form should have spellings and grammatical checked

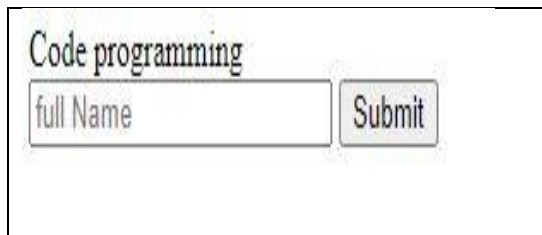
wrap

It specifies how a text field should be wrapped in the form

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>Code programming
<title>programming technical
</title></head><body>
<form action="form.html"
method="GET">
<input type="text" name="full name"
placeholder="full Name" / >
<input type="submit" >
</form></body></html>
```

OUTPUT



FORM INPUT TYPE

This tag specifies the type of input form in the web page

The **<input>** element is a form element

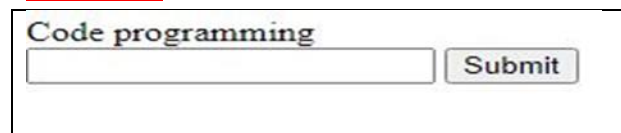
THE INPUT ATTRIBUTES VALUE text

It commands the browser to provide a single line space for entering the text that a user can write a text(comment)

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>Code programming
<title>programming technical
</title></head><body><form>
<input type="text">
<input type="submit"></form>
</body></html>
```

OUTPUT



checkbox

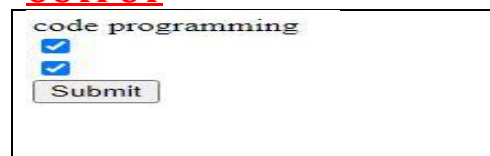
Commands the browser to provide the polygon structures that contain words that a user can choose according to its judgment.

The value of a checkbox could either be checked or unchecked

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical</title>
</head><body><form>
<input type="checkbox"><br>
<input type="checkbox"><br>
<input type="submit"></form>
</body></html>
```

OUTPUT



PRONIC-TECH

HTML PROGRAMMING SKILLS

color

It is used to command the browser to provide an area that is rectangular in shape that the user can choose the color when its clicked due to its judgment

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical</title>
</head><body><form>
<input type="color" ><br>
<input type="submit"></form>
</body></html>
```

OUTPUT



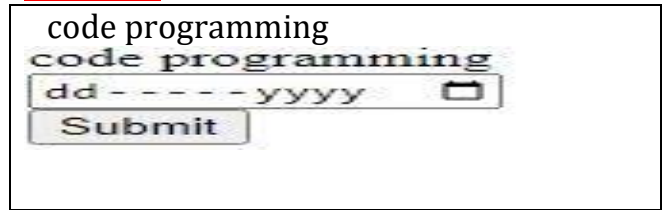
date

It commands the browser to provide the instruction of date that a user can put the date due to the instruction get

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body><form>
<input type="date"><br>
<input type="submit">
</form></body></html>
```

OUTPUT



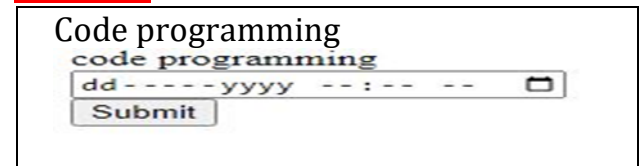
datetime-local

commands the browser to provide the instruction for entering date and time

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body><form>
<input type="datetime-local" ><br>
</form></body></html>
```

OUTPUT



email

Commands the browser to provide the text area for entering only an email so it will consider the @ symbol and other things that an email compose

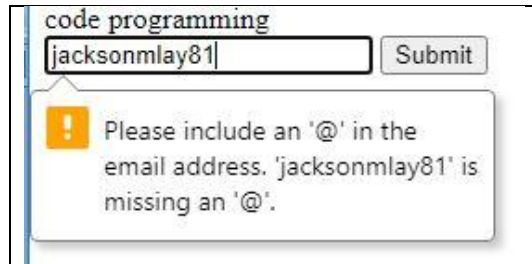
HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical</title>
</head><body><form>
<input type="email" >
<input type="submit">
</form></body></html>
```

PRONIC-TECH

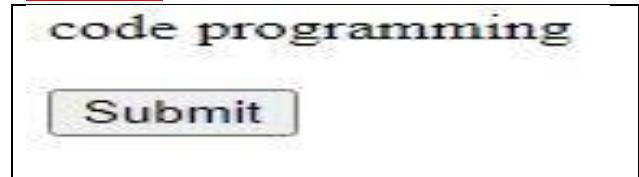
HTML PROGRAMMING SKILLS

OUTPUT



```
</form></body></html>
```

OUTPUT



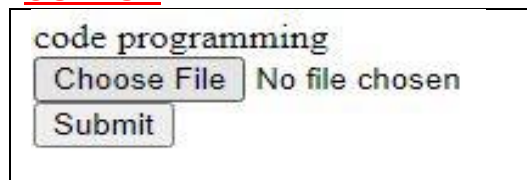
File

Commands the browser to control the user to enter the file from its device that used to enter in the web page/website. This helps a user to enter file in the webpage

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming<br>
<title>programming technical</title>
</head><body><form>
<input type="file"><br>
<input type="submit"></form>
</body></html>
```

OUTPUT



hidden

Commands the browser to hide the text

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body><form>
<input type="hidden">
<input type="submit">
```

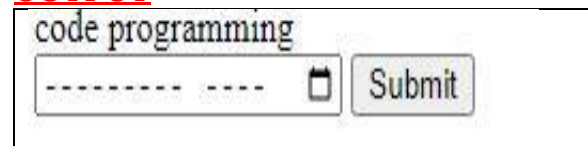
month

Commands the browser to provide instruction for entering month of the year

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical</title>
</head><body><form>
<input type="month">
<input type="submit"></form>
</body></html>
```

OUTPUT



number

Commands the browser to allow only numbers to be entered

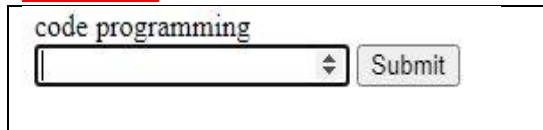
HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical</title>
</head><body><form>
<input type="number">
<input type="submit"></form>
</body></html>
```

PRONIC-TECH

HTML PROGRAMMING SKILLS

OUTPUT



A screenshot of a web browser showing a form. The form has a text input field with the placeholder text "code programming" and a "Submit" button next to it.

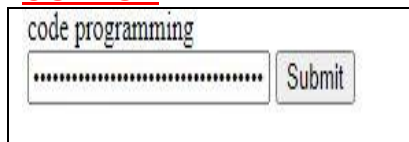
password

commands the browser to encrypt the entered text by sing bullet .example will be shown in the output

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body><form>  
<input type="password">  
<input type="submit"></form>  
</body></html>
```

OUTPUT



A screenshot of a web browser showing a form. The form has a text input field with the placeholder text "code programming" and a "Submit" button next to it.

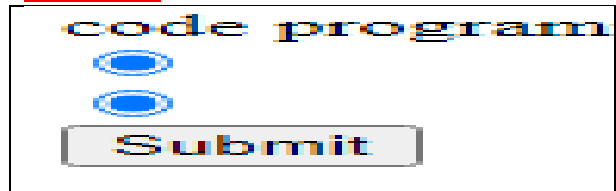
radio

commands the browser that a single value only to be selected out of multiple choices

HTMLCODE PROGRAMMING

```
<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body><form>  
<input type="radio"  
name="gender"><br>  
<input type="radio"  
name="gender"><br>  
<input type="submit">  
</form></body></html>
```

OUTPUT



A screenshot of a web browser showing a form. The form has a range input field with the placeholder text "code programming" and a "Submit" button next to it.

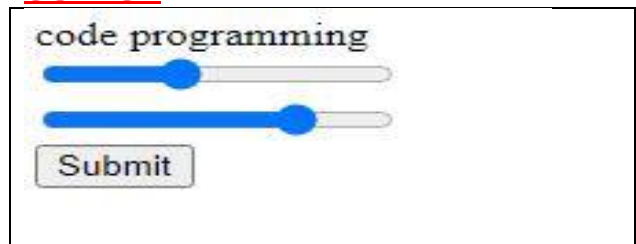
range

Commands the browser to provide the instruction for entering range

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body><form>  
<input type="range"><br>  
<input type="range"><br>  
<input type="submit"><br></form>  
</body>  
</html>
```

OUTPUT



A screenshot of a web browser showing a form. The form has a range input field with the placeholder text "code programming" and a "Submit" button next to it.

tel

Commands the browser to provide the instruction for entering phone number

HTML CODE PROGRAMMING

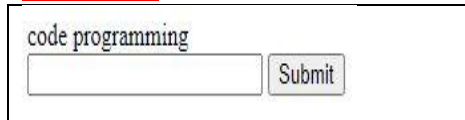
```
<!DOCTYPE html><html>  
<head>code programming  
<title>programming technical  
</title></head><body><form>  
<input type="tel" >  
<input type="submit">
```

PRONIC-TECH

HTML PROGRAMMING SKILLS

`</form></body></html>`

OUTPUT



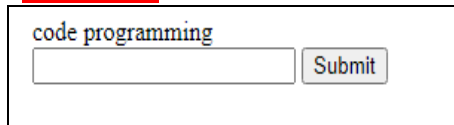
search

Commands the browser to provide the instruction for searching words (things)

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body><form>
<input type="search">
<input type="submit">
</form></body></html>
```

OUTPUT



URL

A single line of text field for entering a URL if the form is submitted and the URL provided is not valid the user will be warned

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body><form>
<input type="url">
<input type="submit">
</form></body></html>
```

OUTPUT



time

Commands the browser to provide the instruction for entering time

HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body>
<form>
<input type="time" >
<input type="submit">
</form></body></html>
```

OUTPUT



week

Commands the browser to provide the instruction for entering week of a year

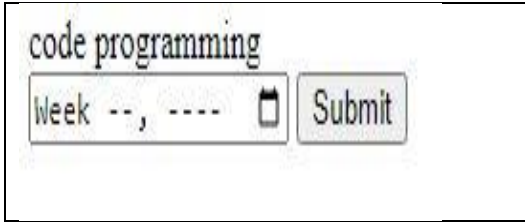
HTML CODE PROGRAMMING

```
<!DOCTYPE html><html>
<head>code programming
<title>programming technical
</title></head><body>
<form> <body>
<input type="week" >
<input type="submit">
</form></body></html>
```

OUTPUT

PRONIC-TECH

HTML PROGRAMMING SKILLS



➤ **HTML BUTTONS**

It is clickable elements that can be used in HTML forms to link different web pages.

HTML buttons can be used anywhere in a document that to link web pages the **<button>** element represents the HTML button. The HTML button has an ending tag. The text inside the button tag will appear in the button margin

Calling a JavaScript function can be done by specifying the onclick attribute with the value equivalent to the name of the function

THE TYPE OF BUTTON VALUES

Submit

Default value it can cause the form be submitted

tbutton

It removes the default behavior of a button

reset

It resets the form controls to their initial value

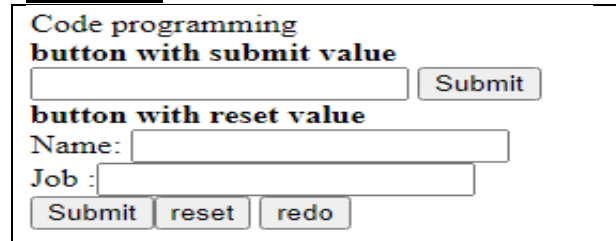
HTML button code programming

```
<!DOCTYPE html ><html>
<head>Code programming
<title>programming technical</title>
</head><body><br>
<b>button with submit value </b>
```

```
<form><input type="text" />
<button> Submit </button></form>
<b>button with reset value </b>
```

```
<form>
Name: <input type="text" /><br>
Job :<input type="text" /><br>
<button
type="submit">Submit</button>
<button type="reset">reset</button>
<button type="tbutton">remove
default value</button>
</body></html>
```

OUTPUT



HTML TEXTAREA

Html textarea provides a space for a visitor to fill

Html textarea is different form input of text because textarea is flexible so as it can increase in size either width or height or both of them

It has an ending tag </textarea>

HTML textarea attributes

cols

Specifies an exact size in columns

rows

Specifies an exact size in rows

Value

Provide introduction to a visitor what to fill in the space

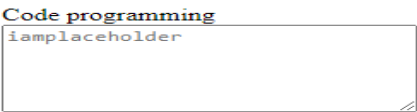
PRONIC-TECH

HTML PROGRAMMING SKILLS

HTML CODE PROGRAMMING

```
<!DOCTYPE html ><html>  
<head>Code programming<br>  
<title>programming technical</title>  
</head><body>  
<textarea cols=30 rows=5  
placeholder=iampplaceholder>  
</textarea>  
</body></html>
```

OUTPUT



The screenshot shows the rendered output of the HTML code. It displays the text "Code programming" followed by a line break, then "iampplaceholder" in a monospace font. Below this text is a rectangular text area with a light gray border and a small diagonal line in the bottom right corner, indicating it is a text input field.