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PROJECT TITLE: INDIAN ELECTRICITY WEBSITE

SECTION: K20QA

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CONTENT

1. INTRODUCTION OF PROJECT
2. COMMON TAGS AND ATTRIBUTES IN ALL WEBPAGES
3. HOME PAGE TAG AND ATTRIBUTES
4. HISTORY PAGE TAG AND ATTRIBUTES
5. NEW CONNECTION PAGE TAG AND ATTRIBUTES
6. PAY PAGE TAG AND ATTRIBUTES



INTRODUCTION OF PROJECT

This project is based on Indian electricity website. It contains four webpages:

- I. HOME PAGE-> It consist of Login box, ways to save electricity, Quick links, Quotes, FAQs and State-wise Per Capita Consumption of Electricity in India.
- II. CONSUMPTION HISTORY->It consist of table.
- III. NEW CONNECTION->It consist of a form to buy new connection.
- IV. PAY BILL->It consist of form to pay your bill.

Languages used in this project are:

- I. HTML->For written text of pages
- II. CSS-> For designing
- III. JAVASCRIPT-> For interactive page



COMMON TAGS

- The `<!DOCTYPE html>` declaration defines that this document is an HTML5 document
- The `<html>` element is the root element of an HTML page
- The `<head>` element contains meta information about the HTML page.
- The `<meta>` element is typically used to specify the character set, page description, keywords, author of the document, and viewport settings
- The `<title>` element specifies a title for the HTML page (which is shown in the browser's title bar or in the page's tab)
- The `<body>` element defines the document's body, and is a container for all the visible contents, such as headings, paragraphs, images, hyperlinks, tables, lists, etc.
- The `<h1>` element defines a large heading
- The `<p>` element defines a paragraph
- The `<a>` tag defines a hyperlink. The `href` attribute specifies the URL of the page the link goes to.
- The `` tag is used to embed an image in an HTML page.
- The HTML `
` element defines a line break.
- The HTML `<pre>` element defines preformatted text. The text inside a `<pre>` element is displayed in a fixed-width font (usually Courier), and it preserves both spaces and line breaks
- The `<link>` element to link to an external CSS file.
- The `<div>` element is a block-level and is often used as a container for other HTML elements
- The HTML `<script>` tag is used to define a client-side script (JavaScript).



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COMMON ATTRIBUTES

- The **lang** attribute of the `<html>` tag declares the language of the Web page.
- The **href** attribute of `<a>` specifies the URL of the page the link goes to
- The **src** attribute of `` specifies the path to the image to be displayed
- The **width** and **height** attributes of `` provide size information for images
- The **alt** attribute of `` provides an alternate text for an image
- The **style** attribute is used to add styles to an element, such as color, font, size, and more
- The **target** attribute specifies where to open the linked document
- The HTML **class** attribute specifies one or more class names for an element
- The HTML **id** attribute is used to specify a unique id for an HTML element.



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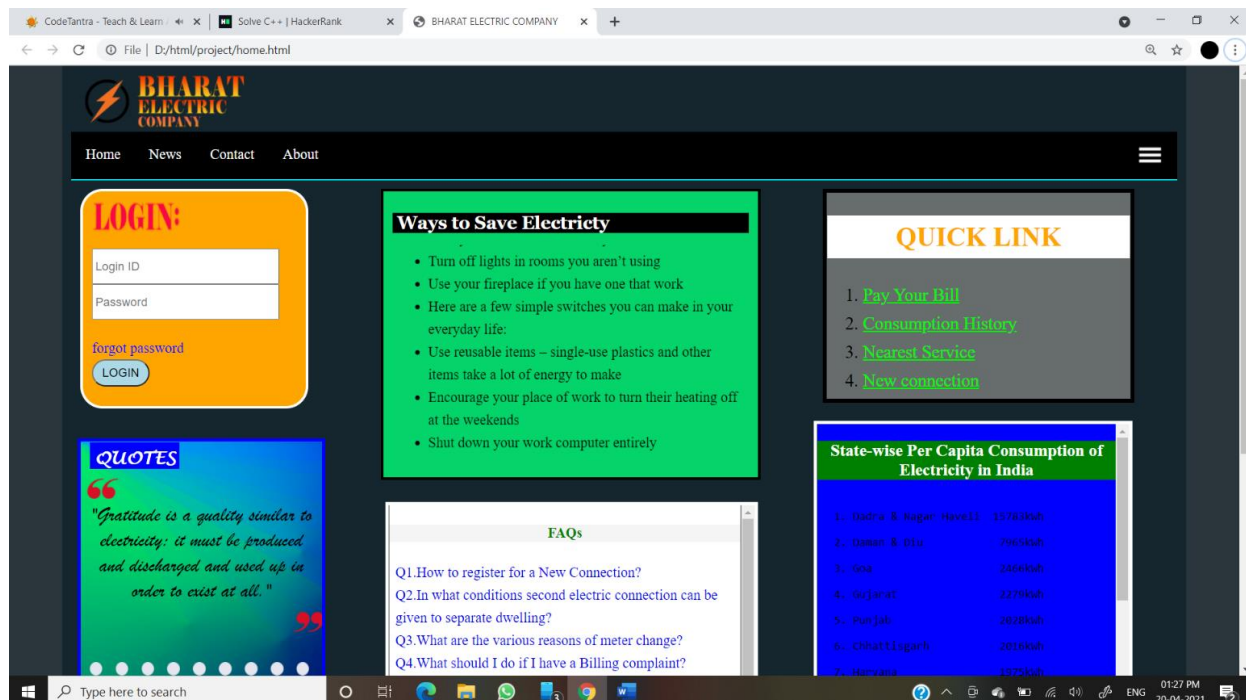
COMMON CSS PROPERTIES

- The CSS **color** property defines the text color to be used.
- The CSS **background-color** property defines the background colour.
- The CSS **background-image** property defines the background image.
- The CSS **font-family** property defines the font to be used.
- The CSS **font-size** property defines the text size to be used.
- The CSS **border** property defines a border around an HTML element.
- The CSS **border-radius** property defines the radius of an element's corners.
- The CSS **height** and **width** properties are used to set the height and width of an element.
- The CSS **padding** property defines a padding (space) between the text and the border.
- The CSS **margin** property defines a margin (space) outside the border.
- Use the CSS **text-align** property to align cell text
- The **display** property specifies if/how an element is displayed.
- The **position** property specifies the type of positioning method used for an element (static, relative, fixed, absolute or sticky).
- The CSS **overflow** property controls what happens to content that is too big to fit into an area.
- The CSS **:hover** property select links on mouse over.
- The CSS **:focus** property select the <input> element that has focus.



HOME PAGE

- The HTML `<q>` tag defines a short quotation. Browsers normally insert quotation marks around the quotation
- Use the HTML `` element to define an unordered list
- Use the CSS `list-style-type` property to define the list item marker
- Use the HTML `` element to define a list item.
- Use the HTML `` element to define an ordered list
- Use the HTML `type` attribute to define the numbering type
- Use the HTML `` element to define a list item
- The `grid-column` property defines on which column(s) to place an item.
- The `grid-row` property defines on which row to place an item.
- Use the HTML `<marquee>` element to define scrolling text





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CONSUMPTION HISTORY PAGE

- Use the HTML `<table>` element to define a table
- Use the HTML `<tr>` element to define a table row
- Use the HTML `<td>` element to define a table data
- Use the HTML `<th>` element to define a table heading
- Use the HTML `<caption>` element to define a table caption
- Use the `colspan` attribute to make a cell span many columns
- Use the `rowspan` attribute to make a cell span many rows
- Use the `id` attribute to uniquely define one table

The screenshot shows a web browser window with the following tabs: CodeTantro - Teach & Learn, Solve C++ | HackerRank, BHARAT ELECTRIC COMPANY, and Consumption History. The address bar shows the file path D:/html/project/table.html. The web page has a dark blue header with the Bharat Electric Company logo and navigation links: Home, News, About, Contact. The main content area displays three tables for the years 2021, 2020, and 2019. Each table has a green header row and a white body with alternating rows. The 2021 table has 3 rows, the 2020 table has 12 rows, and the 2019 table has 12 rows. The bottom of the browser window shows the Windows taskbar with the search bar and various application icons.

Bill Month	Consumption(Units) Status	Bill Amount	Paid Amount	Payment Date
March	105Wh	735.00	735.00	02 April 2021
February	85.7Wh	599.90	600.00	03 March 2021
January	97.5Wh	682.50	683.00	02 February 2021

Bill Month	Consumption(Units) Status	Bill Amount	Paid Amount	Payment Date
December	98Wh	686.00	686.00	03 January 2021
November	87Wh	609.00	609.00	01 December 2020
October	79.5Wh	556.50	557.00	02 November 2020
September	102Wh	714.00	714.00	03 October 2020
August	97.5Wh	682.50	683.00	02 September 2020
July	89Wh	623.00	623.00	04 August 2020
June	107Wh	749.00	749.00	02 July 2020
May	98Wh	686.00	686.00	02 June 2020
April	94Wh	658.00	658.00	03 May 2020
March	86Wh	602.00	602.00	01 April 2020
February	92Wh	644.00	644.00	02 March 2020
January	87Wh	609.00	609.00	04 February 2020

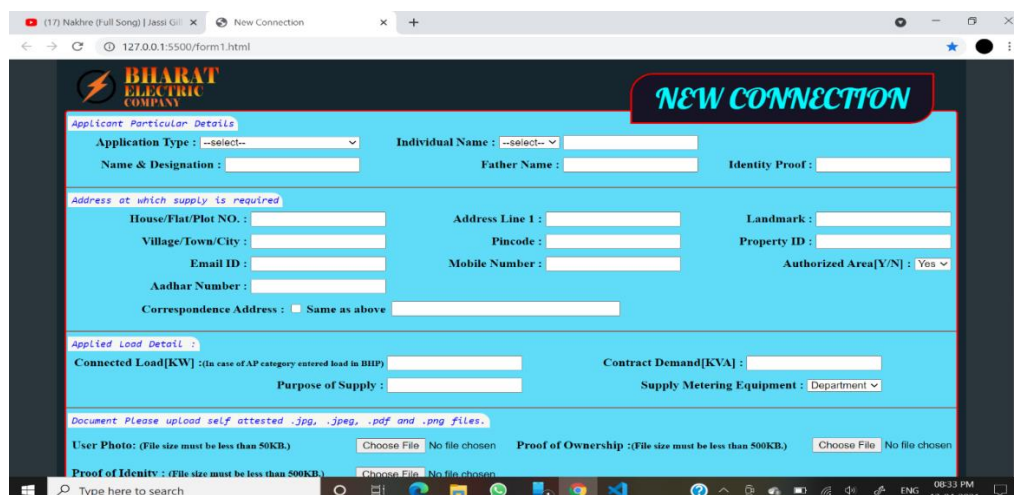
Bill Month	Consumption(Units) Status	Bill Amount	Paid Amount	Payment Date
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NEW CONNECTION PAGE

- The HTML `<form>` element is used to create an HTML form for user input.
- The `action` attribute defines the action to be performed when the form is submitted.
- The `method` attribute specifies the HTTP method to be used when submitting the form data.
- The `autocomplete` attribute specifies whether a form should have autocomplete on or off.
- An `<input>` element can be displayed in many ways, depending on the `type` attribute.

Type	Description
<code><input type="text"></code>	Displays a single-line text input field
<code><input type="radio"></code>	Displays a radio button (for selecting one of many choices)
<code><input type="checkbox"></code>	Displays a checkbox (for selecting zero or more of many choices)
<code><input type="submit"></code>	Displays a submit button (for submitting the form)
<code><input type="button"></code>	Displays a clickable button

- The `<label>` tag defines a label for many form elements.
- The `for` attribute of the `<label>` tag should be equal to the `id` attribute of the `<input>` element to bind them together.
- `<input type="checkbox">`: -The `<input type="checkbox">` defines a checkbox. The checkbox is shown as a square box that is ticked (checked) when activated. Checkboxes are used to let a user select one or more options of a limited number of choices
- The `` element is an inline container used to mark up a part of a text, or a part of a document
- The `<button>` element defines a clickable button



BHARAT ELECTRIC COMPANY

NEW CONNECTION

Applicant Particular Details

Application Type : Individual Name :

Name & Designation : Father Name : Identity Proof :

Address at which supply is required

House/Flat/Plot NO. : Address Line 1 : Landmark :

Village/Town/City : Pincode : Property ID :

Email ID : Mobile Number : Authorized Area[Y/N] :

Aadhar Number :

Correspondence Address : ☐ Same as above

Applied Load Detail :

Connected Load[KW] : Contract Demand[KVA] :

Purpose of Supply : Supply Metering Equipment :

Document Upload Please upload self attested .jpg, .jpeg, .pdf and .png files.

User Photo: (File size must be less than 50KB) No file chosen

Proof of Ownership : (File size must be less than 500KB) No file chosen

Proof of Identity : (File size must be less than 500KB) No file chosen



PAY BILL PAGE

- Use the HTML `` element to define an unordered list
- Use the CSS `list-style-type` property to define the list item marker
- Use the HTML `` element to define a list item.
- Use the HTML `` element to define an ordered list
- Use the HTML `type` attribute to define the numbering type
- Use the HTML `` element to define a list item
- The `<button>` element defines a clickable button

A screenshot of a web browser displaying a 'PAY YOUR BILL' form. The browser's address bar shows the file path 'D:/html/project/pay.html'. The website has a dark blue header with the 'BHARAT ELECTRIC COMPANY' logo and navigation links: Home, News, Contact, About. The main content area is a white box with the title 'PAY YOUR BILL' in bold blue text. It contains four input fields with labels: 'Account Number', 'Mobile Number for e-receipt', 'Email ID for e-receipt', and 'Amount'. Below these fields is a blue 'PROCEED' button. At the bottom of the page, there is a footer with copyright information 'Copyright © 2016-2020 xyz.com All Rights Reserved.' and links for 'Privacy Policy', 'Term&Condition', 'About', and 'Contact'. The Windows taskbar is visible at the bottom, showing the search bar and several open applications.

THANK YOU