**AIM**:The aim is to create a webpage to calculate income tax for an employee**.**

**ALGORITHM:**

**1.** **Design the User Interface:**

* **Identify the main components for the Tax calculation webpage , such as forms for data entry buttons for submitting data , and areas for displaying results**
* Consider a clean and intuitive layout to enhance user experience.

**2.Create HTML Structure:**

* + Use HTML to structure the webpage. Define forms, input fields, buttons, and other necessary elements.

**CODES:**

**LOGIN PAGE:**

< html>

<body bg color="pink">

<basefont face="Cambria" size="4"> <br>

<center>

<font face="wide latin" size="7" color="red">

<b>Enter Login Details:</b>

</font>

</center>

<form name="f1" method="post" action="right.html">

<table align="center" width="100" height="150" cellspacing=”15”>

<tr><td><b>Login ID:</b></td>

<td><input type="text" name="t1"></td>

</tr>

<tr>

<td><b>Password:</b></td>

<td><input type="password" name="t2"></td>

</tr>

<tr align="center">

</tr>

</table> </form> </basefont> </body> </html>

<a href="TAX.html"> OPEN</a>

**TAX CALCULATION HTML CODE :**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Income Tax Calculator</title>

<link rel="stylesheet" href="C:\Users\K.C HARSHITHA\Desktop\TAXSTYLE.css">

</head>

<body>

<div class="container">

<h1>Income Tax Calculator</h1>

<form id="taxForm">

<label for="grossPay">Gross Pay:</label>

<input type="number" id="grossPay" required>

<label for="houseRentAllowance">House Rent Allowance:</label>

<input type="number" id="houseRentAllowance" required>

<label for="pension">Pension:</label>

<input type="number" id="pension" required>

<label for="healthInsurance">Health Insurance:</label>

<input type="number" id="healthInsurance" required>

<button type="button" onclick="calculateTax()">Calculate Tax</button>

</form>

<div id="result"></div>

</div>

<script src="C:\Users\K.C HARSHITHA\Desktop\TAXjs.js"></script>

</body>

</html>

**CSS CODE:**

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 0;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

background-color: #f4f4f4;

}

.container {

text-align: center;

background-color: #fff;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

label {

display: block;

margin-top: 10px;

}

input {

width: 100%;

padding: 8px;

box-sizing: border-box;

margin-top: 5px;

}

button {

background-color: #4caf50;

color: white;

border: none;

padding: 10px 20px;

text-align: center;

text-decoration: none;

display: inline-block;

font-size: 16px;

cursor: pointer;

margin-top: 10px;

border-radius: 5px;

}

button:hover {

background-color: #45a049;

}

#result {

margin-top: 20px;

font-weight: bold;

}

**JAVASCRIPT CODE:**

function calculateTax() {

const grossPay = parseFloat(document.getElementById('grossPay').value) || 0;

const houseRentAllowance = parseFloat(document.getElementById('houseRentAllowance').value) || 0;

const pension = parseFloat(document.getElementById('pension').value) || 0;

const healthInsurance = parseFloat(document.getElementById('healthInsurance').value) || 0;

const standardDeduction = 50000;

const pensionMaxDeduction = 150000;

const netTaxableIncome = (grossPay \* 12) - (houseRentAllowance \* 12) - standardDeduction -

Math.min(pension \* 12, pensionMaxDeduction) - (healthInsurance \* 12);

let tax = 0;

if (netTaxableIncome <= 250000) {

tax = 0;

} else if (netTaxableIncome <= 500000) {

tax = 0.05 \* (netTaxableIncome - 250000);

} else if (netTaxableIncome <= 1000000) {

tax = 12500 + 0.2 \* (netTaxableIncome - 500000);

} else {

tax = 112500 + 0.3 \* (netTaxableIncome - 1000000);

}

document.getElementById('result').innerHTML = `Income Tax: ${tax.toFixed(2)}`;

}

OUTPUT:

