Date : 9/1/2024

**Assignment: make one simple calculator(+,-,\*,/,=) using html,css,js and add styling part also.**

Answer:

**Index.html File**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

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

**<title>Document</title>**

**<link rel="stylesheet" href="style.css"/>**

**</head>**

**<body>**

**<div class="container">**

**<input type="text" class="display"/>**

**<div class="buttons">**

**<button class="operator" data-value="AC">AC</button>**

**<button class="operator" data-value="DEL">DE</button>**

**<button class="operator" data-value="%">%</button>**

**<button class="operator" data-value="/">/</button>**

**<button data-value="7">7</button>**

**<button data-value="8">8</button>**

**<button data-value="9">9</button>**

**<button class="operator" data-value=""></button>**

**<button data-value="4">4</button>**

**<button data-value="5">5</button>**

**<button data-value="6">6</button>**

**<button class="operator" data-value="-">-</button>**

**<button data-value="1">1</button>**

**<button data-value="2">2</button>**

**<button data-value="3">3</button>**

**<button class="operator" data-value="+">+</button>**

**<button data-value="0">0</button>**

**<button data-value="00">00</button>**

**<button data-value=".">.</button>**

**<button class="operator" data-value="=">=</button>**

**</div>**

**</div><script src="scripts1.js"></script> </body></html>**

**Style.css File**

**\*{**

**margin:0;**

**padding: 0;**

**font-family: 'popping',sans-serif;**

**box-sizing: border-box;**

**}**

**body{**

**width: 100%;**

**height:100vh;**

**display: flex;**

**align-items: center;**

**justify-content: center;**

**background: #768b9e;**

**}**

**.container{**

**position: relative;**

**max-width: 300px;**

**width: 100%;**

**border-radius: 12px;**

**padding: 10px 20px 20px;**

**background: #fff;**

**box-shadow: 0 5px 10px rgba(0, 0, 0, 0.05);**

**}**

**.display{**

**height: 80px;**

**width: 100%;**

**outline: none;**

**border: none;**

**text-align: right;**

**margin-bottom: 10px;**

**font-size: 25px;**

**color: #000e1a;**

**pointer-events: none;**

**}**

**.buttons{**

**display: grid;**

**grid-area: 15px;**

**grid-template-columns: repeat(4, 1fr);**

**}**

**.buttons button{**

**padding: 12px 10px;**

**border-radius: 6px;**

**border: none;**

**font-size: 20px;**

**cursor: pointer;**

**background-color:#fff;**

**}**

**.buttons button:active{**

**transform: scale(0.99);**

**}**

**.operator{**

**color: #2f9fff;**

**}**

**Script.js File**

**const display = document.querySelector(".display");**

**const buttons = document.querySelectorAll("button");**

**const specialchars =["%", "\*", "/", "+", "=", "-"]**

**let output="";**

**const calculate =(btnvalue) => {**

**if (btnvalue === "=" && btnvalue !== "") {**

**output =eval(output.replace("%","/100"));**

**}else if (btnvalue === "AC") {**

**output ="";**

**}else if (btnvalue === "DE") {**

**output =output.toString().slice(0,-1);**

**}else{**

**if(output === "" && specialchars.includes(btnvalue)) return;**

**output +=btnvalue**

**}**

**display.value=output;**

**}**

**buttons.forEach((button) =>{**

**button.addEventListener("click", e => calculate(e.target.dataset.value))**

**})**