|  |
| --- |
| body{ |
|  | font-family: 'Open Sans',sans-serif; |
|  | background-color: black; |
|  | } |
|  | #container{ |
|  | width: 1000px; |
|  | height: 550px; |
|  | background-image: linear-gradient(rgba(0,0,0,0.3),rgba(0,0,0,0.3)), url(bgImg.jpg); |
|  | margin: 20px auto; |
|  | } |
|  | #calculator{ |
|  | width: 320px; |
|  | height: 520px; |
|  | background-color: #eaedef; |
|  | margin: 0 auto; |
|  | top: 20px; |
|  | position: relative; |
|  | border-radius: 5px; |
|  | box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19); |
|  | } |
|  | #result{ |
|  | height: 120px; |
|  | } |
|  | #history{ |
|  | text-align: right; |
|  | height: 20px; |
|  | margin: 0 20px; |
|  | padding-top: 20px; |
|  | font-size: 15px; |
|  | color: #919191; |
|  | } |
|  | #output{ |
|  | text-align: right; |
|  | height: 60px; |
|  | margin: 10px 20px; |
|  | font-size: 30px; |
|  | } |
|  | #keyboard{ |
|  | height: 400px; |
|  | } |
|  | .operator, .number, .empty{ |
|  | width: 50px; |
|  | height: 50px; |
|  | margin: 15px; |
|  | float: left; |
|  | border-radius: 50%; |
|  | border-width: 0; |
|  | font-weight: bold; |
|  | font-size: 15px; |
|  | } |
|  | .number, .empty{ |
|  | background-color: #eaedef; |
|  | } |
|  | .number, .operator{ |
|  | cursor: pointer; |
|  | } |
|  | .operator:active, .number:active{ |
|  | font-size: 13px; |
|  | } |
|  | .operator:focus, .number:focus, .empty:focus{ |
|  | outline: 0; |
|  | } |
|  | button:nth-child(4){ |
|  | font-size: 20px; |
|  | background-color: #20b2aa; |
|  | } |
|  | button:nth-child(8){ |
|  | font-size: 20px; |
|  | background-color: #ffa500; |
|  | } |
|  | button:nth-child(12){ |
|  | font-size: 20px; |
|  | background-color: #f08080; |
|  | } |
|  | button:nth-child(16){ |
|  | font-size: 20px; |
|  | background-color: #7d93e0; |
|  | } |
|  | button:nth-child(20){ |
|  | font-size: 20px; |
|  | background-color: #9477af; |
|  | } |

|  |
| --- |
| <html> |
|  | <head> |
|  | <link rel="stylesheet" type="text/css" href="style.css"> |
|  | <link href="https://fonts.googleapis.com/css?family=Open+Sans:600,700" rel="stylesheet"> |
|  | <title>A simple calculator</title> |
|  | </head> |
|  | <body> |
|  | <div id="container"> |
|  | <div id="calculator"> |
|  | <div id="result"> |
|  | <div id="history"> |
|  | <p id="history-value"></p> |
|  | </div> |
|  | <div id="output"> |
|  | <p id="output-value"></p> |
|  | </div> |
|  | </div> |
|  | <div id="keyboard"> |
|  | <button class="operator" id="clear">C</button> |
|  | <button class="operator" id="backspace">CE</button> |
|  | <button class="operator" id="%">%</button> |
|  | <button class="operator" id="/">&#247;</button> |
|  | <button class="number" id="7">7</button> |
|  | <button class="number" id="8">8</button> |
|  | <button class="number" id="9">9</button> |
|  | <button class="operator" id="\*">&times;</button> |
|  | <button class="number" id="4">4</button> |
|  | <button class="number" id="5">5</button> |
|  | <button class="number" id="6">6</button> |
|  | <button class="operator" id="-">-</button> |
|  | <button class="number" id="1">1</button> |
|  | <button class="number" id="2">2</button> |
|  | <button class="number" id="3">3</button> |
|  | <button class="operator" id="+">+</button> |
|  | <button class="empty" id="empty"></button> |
|  | <button class="number" id="0">0</button> |
|  | <button class="empty" id="empty"></button> |
|  | <button class="operator" id="=">=</button> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | <script src="script.js"></script> |
|  | </body> |
|  | </html> |

|  |
| --- |
| function getHistory(){ |
|  | return document.getElementById("history-value").innerText; |
|  | } |
|  | function printHistory(num){ |
|  | document.getElementById("history-value").innerText=num; |
|  | } |
|  | function getOutput(){ |
|  | return document.getElementById("output-value").innerText; |
|  | } |
|  | function printOutput(num){ |
|  | if(num==""){ |
|  | document.getElementById("output-value").innerText=num; |
|  | } |
|  | else{ |
|  | document.getElementById("output-value").innerText=getFormattedNumber(num); |
|  | } |
|  | } |
|  | function getFormattedNumber(num){ |
|  | if(num=="-"){ |
|  | return ""; |
|  | } |
|  | var n = Number(num); |
|  | var value = n.toLocaleString("en"); |
|  | return value; |
|  | } |
|  | function reverseNumberFormat(num){ |
|  | return Number(num.replace(/,/g,'')); |
|  | } |
|  | var operator = document.getElementsByClassName("operator"); |
|  | for(var i =0;i<operator.length;i++){ |
|  | operator[i].addEventListener('click',function(){ |
|  | if(this.id=="clear"){ |
|  | printHistory(""); |
|  | printOutput(""); |
|  | } |
|  | else if(this.id=="backspace"){ |
|  | var output=reverseNumberFormat(getOutput()).toString(); |
|  | if(output){//if output has a value |
|  | output= output.substr(0,output.length-1); |
|  | printOutput(output); |
|  | } |
|  | } |
|  | else{ |
|  | var output=getOutput(); |
|  | var history=getHistory(); |
|  | if(output==""&&history!=""){ |
|  | if(isNaN(history[history.length-1])){ |
|  | history= history.substr(0,history.length-1); |
|  | } |
|  | } |
|  | if(output!="" || history!=""){ |
|  | output= output==""?output:reverseNumberFormat(output); |
|  | history=history+output; |
|  | if(this.id=="="){ |
|  | var result=eval(history); |
|  | printOutput(result); |
|  | printHistory(""); |
|  | } |
|  | else{ |
|  | history=history+this.id; |
|  | printHistory(history); |
|  | printOutput(""); |
|  | } |
|  | } |
|  | } |
|  |  |
|  | }); |
|  | } |
|  | var number = document.getElementsByClassName("number"); |
|  | for(var i =0;i<number.length;i++){ |
|  | number[i].addEventListener('click',function(){ |
|  | var output=reverseNumberFormat(getOutput()); |
|  | if(output!=NaN){ //if output is a number |
|  | output=output+this.id; |
|  | printOutput(output); |
|  | } |
|  | }); |
|  | } |