THIẾT KẾ WEB - ASSIGNMENT 05
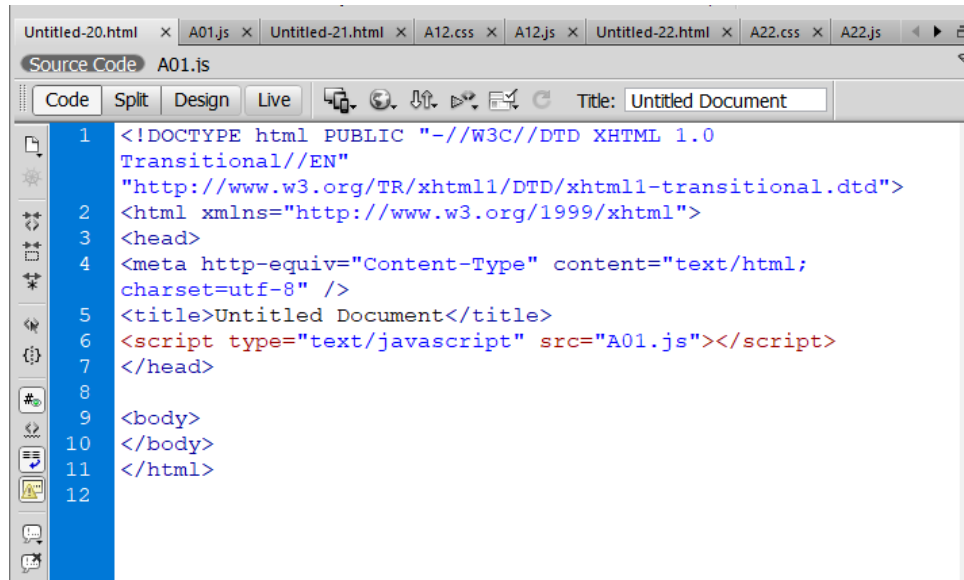
HỌ VÀ TÊN : NGUYỄN THANH TRÚC
MSSV : 20110342

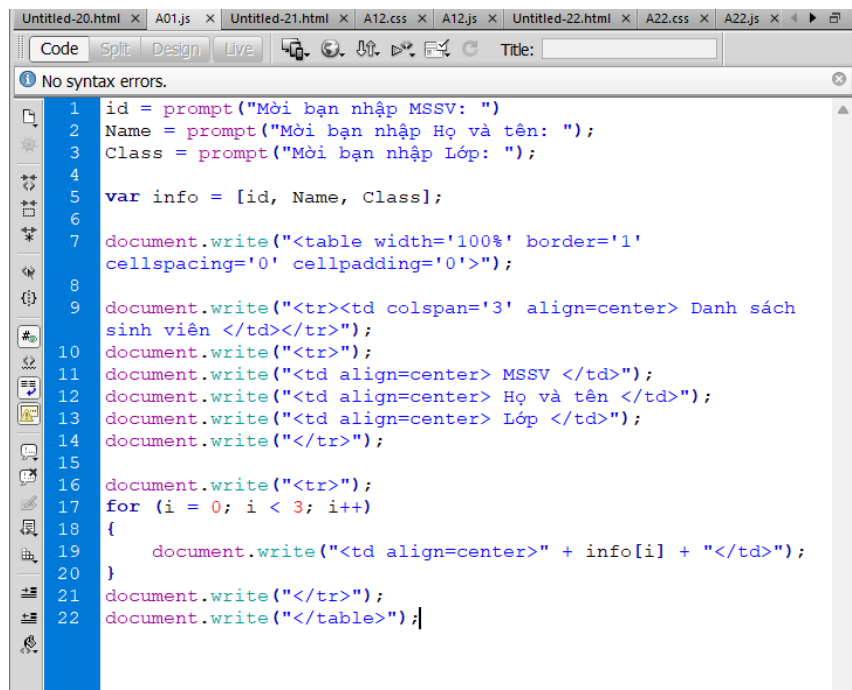**EXERCISE 1:**

Code:

HTML :

Javascript:

Kết quả (nhập MSSV, nhập Họ và tên):

This page says

Mời bạn nhập MSSV:

20110342

OK   Cancel

This page says

Mời bạn nhập Họ và tên:

Nguyễn Thanh Trúc

OK   Cancel

This page says

Mời bạn nhập Lớp:

20TTH2

OK   Cancel
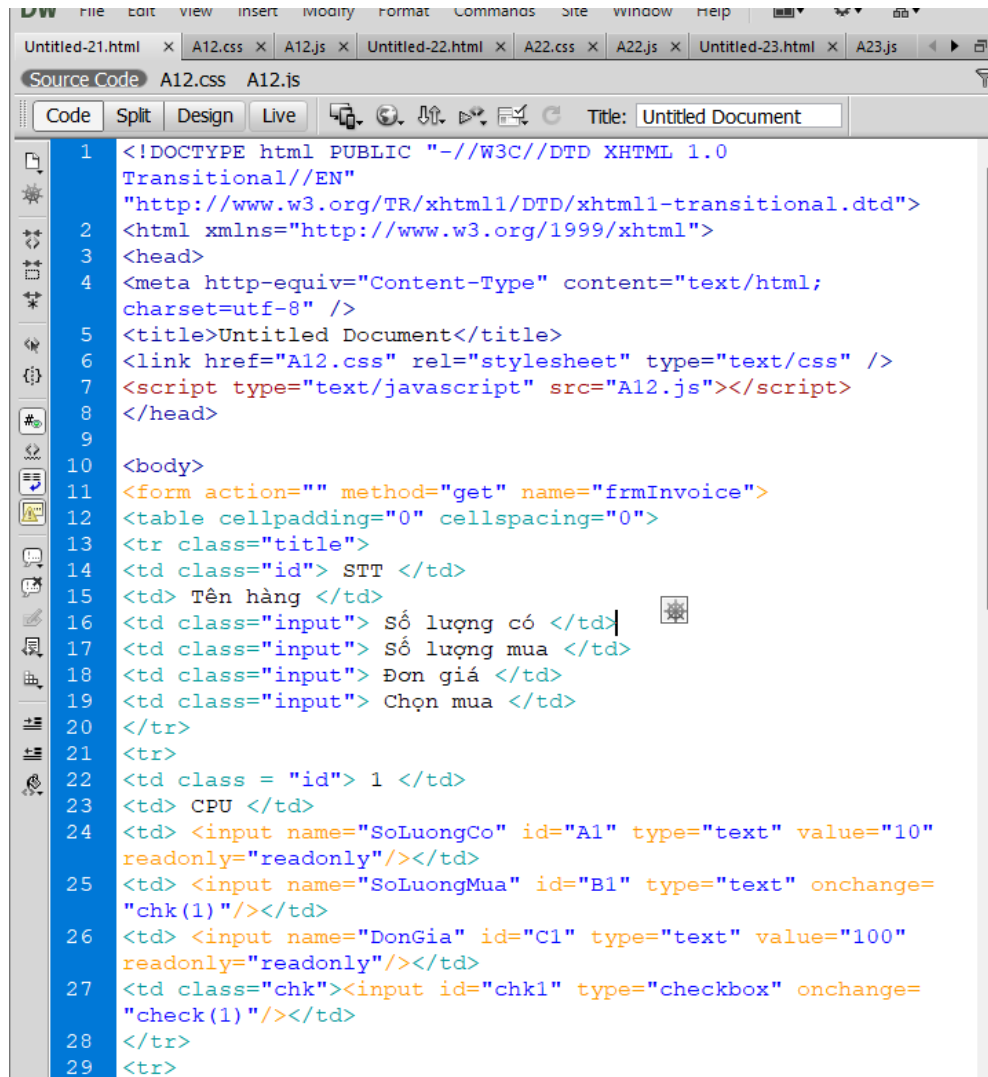
Kết quả (in bảng kết quả):

Danh sách sinh viên		
MSSV	Họ và tên	Lớp
20110342	Nguyễn Thanh Trúc	20TTH2

EXERCISE 2:

Code:

HTML :

```
DW  File  Edit  View  Insert  Modify  Format  Commands  Site  Window  Help

Untitled-21.html  ×  A12.css  ×  A12.js  ×  Untitled-22.html  ×  A22.css  ×  A22.js  ×  Untitled-23.html  ×  A23.js  ◄ ▶ ⊟

Source Code  A12.css  A12.js

Code  Split  Design  Live   Title: Untitled Document

1  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
   Transitional//EN"
   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2  <html xmlns="http://www.w3.org/1999/xhtml">
3  <head>
4  <meta http-equiv="Content-Type" content="text/html;
   charset=utf-8" />
5  <title>Untitled Document</title>
6  <link href="A12.css" rel="stylesheet" type="text/css" />
7  <script type="text/javascript" src="A12.js"></script>
8  </head>
9
10 <body>
11 <form action="" method="get" name="frmInvoice">
12 <table cellpadding="0" cellspacing="0">
13 <tr class="title">
14 <td class="id"> STT </td>
15 <td> Tên hàng </td>
16 <td class="input"> Số lượng có </td>
17 <td class="input"> Số lượng mua </td>
18 <td class="input"> Đơn giá </td>
19 <td class="input"> Chọn mua </td>
20 </tr>
21 <tr>
22 <td class = "id"> 1 </td>
23 <td> CPU </td>
24 <td> <input name="SoLuongCo" id="A1" type="text" value="10"
   readonly="readonly"/></td>
25 <td> <input name="SoLuongMua" id="B1" type="text" onchange=
   "chk(1)"/></td>
26 <td> <input name="DonGia" id="C1" type="text" value="100"
   readonly="readonly"/></td>
27 <td class="chk"><input id="chk1" type="checkbox" onchange=
   "check(1)"/></td>
28 </tr>
29 <tr>
```
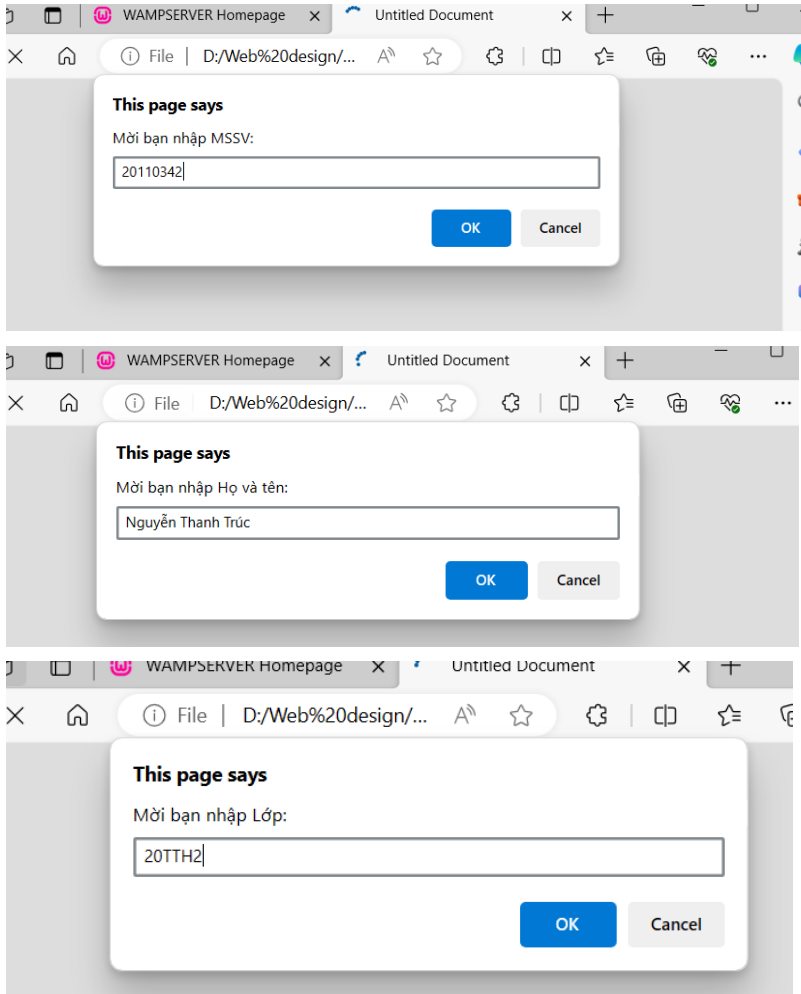
```html
30  <td class="id"> 2 </td>
31  <td> RAM </td>
32  <td> <input name="SoLuongCo" id="A2" type="text" value="10"
    readonly="readonly"/></td>
33  <td> <input name="SoLuongMua" id="B2" type="text" onchange=
    "chk(2)"/></td>
34  <td> <input name="DonGia" id="C2" type="text" value="50"
    readonly="readonly"/></td>
35  <td class="chk"><input id="chk2" type="checkbox" onchange=
    "check(2)"/></td>
36  </tr>
37  <tr>
38  <td class="id"> 3 </td>
39  <td> HDD </td>
40  <td> <input name="SoLuongCo" id="A3" type="text" value="10"
    readonly="readonly"/></td>
41  <td> <input name="SoLuongMua" id="B3" type="text" onchange=
    "chk(3)"/></td>
42  <td> <input name="DonGia" id="C3" type="text" value="80"
    readonly="readonly"/></td>
43  <td class="chk"><input id="chk3" name="ChonMua" type=
    "checkbox" onchange="check(3)"/></td>
44  </tr>
45  <tr>
46  <td></td>
47  <td> <input type="button" value="OK" onclick="calculate()"/>
    </td>
48  <td class="totalCell" colspan="3"> Tổng: <input name="Total"
    type="text" readonly="readonly"/></td>
49  <td class="chk"><input id="chkVAT" name="VAT" type="checkbox"
    /> VAT </td>
50  </tr>
51  </table>
52  </form>
53  <P id="demo"></P>
54  </body>
55  </html>
```

CSS:

```css
1   @charset "utf-8";
2   table, tr, td{
3       border: 1px solid #BFBFBF;
4   }
5   table {
6       width: 100%;
7       padding: 0;
8       margin: 0;
9   }
10  .input{
11      width: 30px;
12  }
13  .id, .chk{
14      text-align: center;
15  }
16  .totalCell{
17      text-align: right;
18  }
19  .title > td {
20      text-align: center;
21  }
22
```

Javascript:

```javascript
function chk(row)
{
    var b = parseInt(document.getElementById("B" + row).value);
    var a = parseInt(document.getElementById("A" + row).value);
    if(b<0 || b>a)
    {
        alert("Số lượng không đủ đáp ứng. Xin hãy nhập lại.");
        document.getElementById('B' + row).value= '';
    }
}
function check(row)
{
    var chkNode = document.getElementById("chk" + row);
    if (chkNode.checked == true){
        var b = parseInt(document.getElementById('B' + row).value);
        var c = parseInt(document.getElementById('C' + row).value);
        var result = b*c;
        return result;
    }
    else
    {
        return 0;
    }
}
function calculate()
{
    var numRow = parseInt((document.getElementsByName("SoLuongCo")).length);
    var total = 0;
    for (i = 0; i < numRow; i++)
    {
        var i total = check(i+1);
        var i_total = check(i+1);
        total = total + i_total;
    }
    var chkVat = document.getElementById("chkVAT");
    if(chkVat.checked == true)
    {
        total = total + total * 0.1;
    }
    document.frmInvoice.Total.value = total;
}
```

Kết quả (nhập số lượng mua vào và nó in ra tổng)

STT	Tên hàng	Số lượng có	Số lượng mua	Đơn giá	Chọn mua
1	CPU	10	3	100	☑
2	RAM	10	6	50	☑
3	HDD	10	9	80	☑
	OK		Tổng: 1452		☑ VAT

EXERCISE 3:

Code:

HTML :

```
1   <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
    Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2   <html xmlns="http://www.w3.org/1999/xhtml">
3   <head>
4   <meta http-equiv="Content-Type" content="text/html;
    charset=utf-8" />
5   <title>Untitled Document</title>
6   <link href="A22.css" rel="stylesheet" type="text/css" />
7   </head>
8
9   <body>
10  <div id="container">
11  <div id="calculator">
12  <div id="result">
13  <div id="history">
14  <p id="history-value"></p>
15  </div>
16  <div id = "output">
17  <p id="output-value"></p>
18  </div>
19  </div>
20  <div id="keyboard">
21  <button class="operator" id="backspace"> CE </button>
22  <button class="operator" id="clear"> C </button>
23  <button class="number" id="plusmn">&plusmn;</button>
24  <button class="operator" id="%">%</button>
25  <button class="number" id="7">7</button>
26  <button class="number" id="8">8</button>
27  <button class="number" id="9">9</button>
28  <button class="operator" id="/">&divide;</button>
29  <button class="number" id="4">4</button>
30  <button class="number" id="5">5</button>
31  <button class="number" id="6">6</button>
32  <button class="operator" id="*">&times;</button>
33  <button class="number" id="1">1</button>
34  <button class="number" id="2">2</button>
35  <button class="number" id="3">3</button>
36  <button class="operator" id="-">-</button>
37  <button class="number" id="0">0</button>
38  <button class="number" id=".">.</button>
39  <button class="operator" id="equal">=</button>
40  <button class="operator" id="+">+</button>
41  </div>
42  </div>
43  </div>
44  <script type="text/javascript" src="A22.js"></script>
45  </body>
46  </html>
47
```

CSS:

```css
@charset "utf-8";
*{
    margin: 0px;
    padding: 0px;
}

body {
    background: #2d354a;
    font-family: dosis, sans-serif;
}

#container{
    border: 1px solid #2d354a;
    width:318px;
    height: 480px;
    position: fixed;
    left: 38%;
    top: 10%;
    box-shadow: 2px 4px 19px;
    background: #2d354a;
    border-radius: 20px;
}
#calculator{
    margin: 40px 7%;
}

#result{
    background: white;
    width: 247px;
    height: 60px;
    padding: 10px;
    margin: 10px 0%;
    border-radius: 4px;
    border: none;
    font-family: comic Neue, cursive;
    font-weight: bolder;
    text-align: right;
}
```

```css
39  #history{
40      height: 20px;
41      margin: 0 20px;
42      font-size: 15px;
43      color:#919191;
44  }
45  #output{
46      margin: 0 20px;
47      font-size: 30px;
48  }
49  .operator, .number{
50      margin: 5px;
51      width: 55px;
52      height: 55px;
53      border-radius: 60px;
54      font-size: 20px;
55      border: none;
56      border-bottom: none;
57      box-shadow: 5px 0px 8px 1px #191919;
58      background: white;
59      color: #2d354a;
60      cursor: pointer;
61      font-family: comic Neue, cursive;
62      font-weight: bolder;
63      outline: none;
64  }
65  .number:hover{
66      background: #CACCCE;
67  }
68  .operator, #plusmn{
69      background: #325683;
70      color: white;
71  }
72  .operator:hover, #plusmn:hover{
73      background: #274869;
74  }
75  #backspace, #clear, #equal{
76      color: #2d354a;

77      background: #D97E5F;
78  }
79  #backspace:hover, #clear:hover, #equal:hover{
80      background: #B5694F;
81  }
```

Javascript:

```javascript
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 value = num.toLocaleString("en");
    return value;
}
function reverseNumberFormat(num){
    return 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("");
        }
```

```javascript
        else if(this.id == "backspace"){
            var output = reserveNumberFormat(getOutput()).
toString();
            if(output){
                output = output.substring(0, output.length-1)
;
                printOutput(output);
            }
        }
        else{
            var output = getOutput();
            var history = getHistory();
            if (output == "" && history != ""){
                if (isNaN(history[history.length-1])){
                    history = history.substring(0, history.
length-1);
                }
            }
            if(output != ""||history != ""){
                output = output == ""? output:
reverseNumberFormat(output);
                history = history + output;
                if(this.id == "equal"){
                    var result = eval(history);
                    printOutput(result);
                    printHistory("");
                }
                else{
                    history = history + this.id;
                    printHistory(history);
                    printOutput("");
                }
            }
        }
    });
}
```

```
67  var number = document.getElementsByClassName("number");
68  for(var i = 0; i<number.length; i++){
69      number[i].addEventListener('click',function(){
70          var output = reverseNumberFormat(getOutput());
71          if (output != NaN){
72              if(this.id == "plusmn"){
73                  if(output[0] == "-"){
74                      output = output.substring(1, output.
length);
75                  }
76                  else{
77                      output = "-" + output; }
78              }
79              else{
80                  output = output + this.id;}
81              printOutput(output);
82          }
83      });
84  }
```

Kết quả (nhập vào một phép tính và nó trả về kết quả trên máy tính):
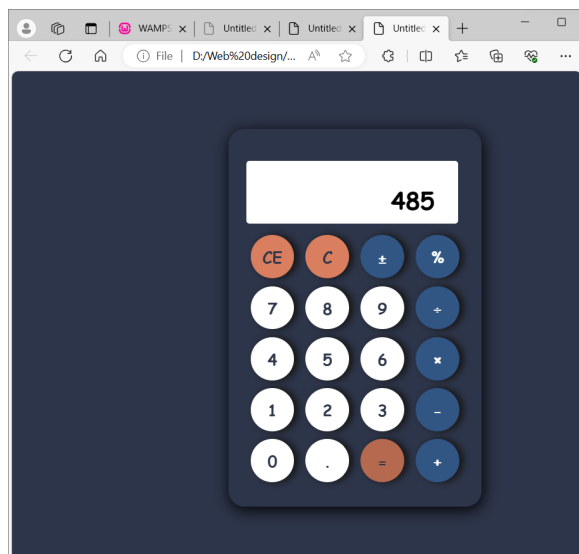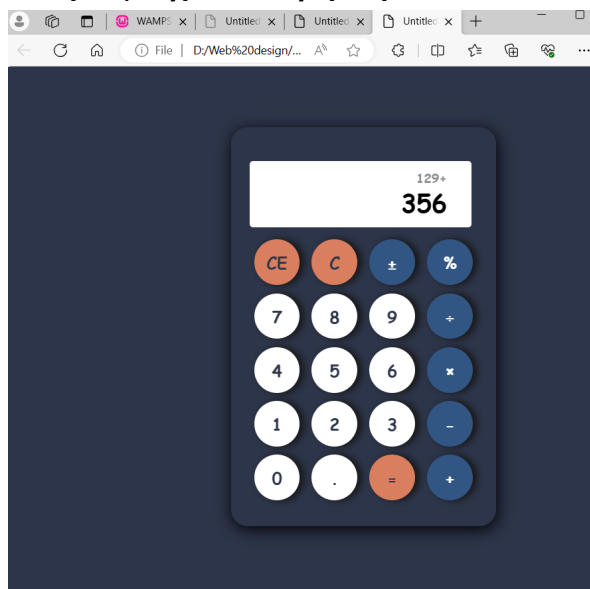
EXERCISE 4:

Code:

HTML :

Source Code A24.css

Code | Split | Design | Live | ⬚ ⬚ ⬚ ⬚ ⬚ ⬚ | Title: Untitled Document

```
1   <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
    Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2   <html xmlns="http://www.w3.org/1999/xhtml">
3   <head>
4   <meta http-equiv="Content-Type" content="text/html;
    charset=utf-8" />
5   <title>Untitled Document</title>
6   <link href="A24.css" rel="stylesheet" type="text/css" />
7   </head>
8
9   <body>
10  <div class="clock">
11  <div class="hour">
12  <div class="hr" id="hr"></div>
13  </div>
14  <div class="min">
15  <div class="mn" id="mn"></div>
16  </div>
17  <div class="sec">
18  <div class="sc" id="sc"></div>
19  </div>
20  <span class="digitalClock" id="digitalClock">12:00 PM</span>
21  </div>
22  <script type="text/javascript" src="A23.js"></script>
23  </body>
24  </html>
25
```

CSS:

```
1   @charset "utf-8";
2   * {
3       margin: 0;
4       padding: 0;
5       box-sizing: border-box;
6   }
7
8   body {
9       display: flex;
10      justify-content: center;
11      align-items: center;
12      min-height: 100vh;
13      background: #68a4ff;
14  }
15
16  .clock {
17      position: fixed;
18      width: 350px;
19      height: 350px;
20      display: flex;
21      justify-content: center;
22      align-items: center;
23      background: #fff url("clock.jpeg");
24      background-size: cover;
25      border-radius: 50%;
26      border: 20px solid #fff;
27      box-shadow: inset 0 0 30px rgba(0,0,0,.1),
28                  0 20px 20px rgba(0,0,0,.2),
29                  0 0 0 4px rgba(255,255,255,1);
30  }
31
32  .clock::before {
33      content: ' ';
34      position: absolute;
35      width: 15px;
36      height: 15px;
37      background: #848484;
38      border: 2px solid #fff;
```

```css
39      z-index: 4;
40      border-radius: 50%;
41  }
42
43  .hour, .min, .sec {
44      position: absolute;
45  }
46
47  .hour, .hr {
48      width: 160px;
49      height: 160px;
50      z-index: 1;
51  }
52
53  .min, .mn {
54      width: 190px;
55      height: 190px;
56      z-index: 2;
57  }
58
59  .sec, .sc {
60      width: 230px;
61      height: 230px;
62      z-index: 3;
63  }
64
65  .hr, .mn, .sc {
66      display: flex;
67      justify-content: center;
68      position: absolute;
69      border-radius: 50%;
70  }
71
72  .hr::before {
73      content: ' ';
74      position: absolute;
75      width: 8px;
76      height: 80px;
77      background: #848484;
78      border-radius: 6px 6px 0 0;
79  }
80
81  .mn::before {
82      content: ' ';
83      position: absolute;
84      width: 4px;
85      height: 90px;
86      background: #d6d6d6;
87      border-radius: 6px 6px 0 0;
88  }
89
90  .sc::before {
91      content: ' ';
92      position: absolute;
93      width: 2px;
94      height: 150px;
95      background: #ff6767;
96      border-radius: 6px 6px 0 0;
97  }
98
99  .digitalClock {
100     position: absolute;
101     z-index: 0;
102     font-family: sans-serif;
103     background: #f3f2f2;
104     padding: 6px 10px 6px 10px;
105     font-size: 22px;
106     font-weight: bold;
107     top: 68%;
108     left: 33%;
109     transform: translateY(-50%);
110     box-shadow: inset 0 0 2px 2px #0000001a;
111     border-radius: 2px;
112     text-align: center;
113 }
```

Javascript:

```javascript
var hour = document.getElementById("hr");
var min = document.getElementById("mn");
var sec = document.getElementById("sc");
var digitalClock = document.getElementById("digitalClock");

function setClockTime() {
    const day = new Date();
    const hh = day.getHours();
    const mm = day.getMinutes();
    const ss = day.getSeconds();

    const hourDeg = (hh * 30) + (mm * 0.5);
    const minDeg = (mm * 6) + (ss * 0.1);
    const secDeg = (ss * 6);

    hour.style.transform = `rotateZ(${hourDeg}deg)`;
    min.style.transform = `rotateZ(${minDeg}deg)`;
    sec.style.transform = `rotateZ(${secDeg}deg)`;

    digitalClock.innerText = `${hh%12<10?'0':''}${hh%12}:${mm
<10?'0':''}${mm} ${hh>12?'PM':'AM'}`;
}

setClockTime();
setInterval(setClockTime, 1000);
```

Kết quả: