index.html

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <title>Web_01</title>
        <link rel="stylesheet" href="style.css" type="text/css" />
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
    </head>
    <body>
        <div class="hello">
            <div class="text">CHÀO THEO GIỜ</div>
            <div class="input_time">
                <span>Nhập Giờ:<input type="text" class="Time" /></span>
                <div class="HelloDiv"></div>
            </div>
            <div class="button">
                <button>Chào</button>
            </div>
        </div>
    </body>
    <script src="app.js" type="text/javascript"></script>
</html>
```

app.js

```javascript
$(function() {
    $("input").change(function() {
        var timeHr = $('.Time').val();
    $("button").click(function(){
        var str;
        if (timeHr <= 12) {
            str = "Chào buổi sáng";
        }
        else{
            if (timeHr <= 17) {
                str = "Chào buôi chiêu";
            }
            else{
                str = "Chào buổi tôi";
            }
        }
        $(".HelloDiv").append(str);
        })
    })
})
```

```css
1   * {
2       padding: 0;
3       margin: 0;
4       box-sizing: border-box;
5   }
6
7   body {
8       display: flex;
9       justify-content: center;
10      align-items: center;
11      text-align: center;
12  }
13
14  .hello {
15      width: 250px;
16      height: 100px;
17      margin: 120px auto;
18  }
19
20  .text {
21      /* margin: 5px; */
22      padding: 5px;
23      background-color: lightskyblue;
24  }
25
26  .input_time {
27      height: 50px;
28      padding: 5px;
29      background-color: lightsteelblue;
30  }
31
32  .button {
33      padding: 5px;
34      background-color: lightskyblue;
35  }
36  .HelloDiv {
37      padding: 5px;
38  }
39
```

127.0.0.1:5500/Web_01/01_A/index.html

CHÀO THEO GIỜ

Nhập Giờ: 7

Chào buổi sáng

Chào

```html
  3    <head>
  4        <meta charset="UTF-8">
  5        <meta http-equiv="X-UA-Compatible" content="IE=edge">
  6        <meta name="viewport" content="width=device-width, initial-scale=1.0">
  7        <title>Web_01_B</title>
  8        <link rel="stylesheet" href="style.css" type="text/css">
  9        <script src= "https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
 10    </head>
 11    <body>
 12        <div class="circle">
 13            <div class="circle__text">DIỆN TÍCH và CHU VI HÌNH TRÒN</div>
 14            <div class="content">
 15                <div class="circle__radius">
 16                    <span>Bán kính:</span>
 17                    <input type="text" class="Radius">
 18                </div>
 19                <div class="circle__area">
 20                    <span>Diện tích:</span>
 21                    <input type="text" class="Area">
 22                </div>
 23                <div class="circle__perimeter">
 24                    <span>Chu vi:    </span>
 25                    <input type="text" class="Perimeter">
 26                </div>
 27                <div class="circle__button">
 28                    <button>Tính</button>
 29                </div>
 30            </div>
 31        </div>
 32    </body>
 33    <script src="app.js"></script>
 34    </html>
```

```css
  1  * {
  2      padding: 0;
  3      margin: 0;
  4      box-sizing: border-box;
  5  }
  6
  7  body {
  8      display: flex;
  9      justify-content: center;
 10      align-items: center;
 11      text-align: center;
 12  }
 13
 14  .circle {
 15      margin: 120px auto;
 16      width: 320px;
 17  }
 18
 19  .content {
 20      background-color: bisque;
 21  }
 22  .circle__text {
 23      padding: 10px;
 24      background-color: sandybrown;
 25      color: maroon;
 26      font-weight: 600;
 27      font-family: "Moon Dance", cursive;
 28  }
```

```css
 29  .circle__radius {
 30      padding: 5px;
 31  }
 32
 33  .circle__area {
 34      padding: 5px;
 35  }
 36
 37  .circle__perimeter {
 38      padding: 5px;
 39  }
 40
 41  .circle__button {
 42      padding: 5px;
 43  }
 44
 45  span {
 46      float: left;
 47      padding-left: 5px;
 48  }
 49
 50  .Area .Perimeter {
 51      background-color: mistyrose;
 52  }
 53
```

```javascript
$(function() {
    $("button").click(function() {
        var radiusNr = $('.Radius').val();
        var a = Math.round(radiusNr*radiusNr*Math.PI);
        $('.Area').val(a);
        var b = Math.round(2*radiusNr*Math.PI);
        $('.Perimeter').val(b);
    })
})
```

127.0.0.1:5500/Web_01/01_B/index.html

DIỆN TÍCH và CHU VI HÌNH TRÒN

Bán kính: 5
Diện tích: 79
Chu vi: 31

Tính

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-scale=1.0" />
        <title>Web_01_C</title>
        <link rel="stylesheet" href="style.css" type="text/css" />
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
    </head>
    <body>
        <div id="content">
            <table>
                <tr id="content__title">
                    <h2>PHÁT SINH MẢNG VÀ TÍNH TOÁN</h2>
                </tr>
                <tr class="content__input">
                    <td class="input__number">Nhập số phần tử:</td>
                    <td class="input__number">
                        <input type="text" class="Number" />
                    </td>
                </tr>
                <tr>
                    <td class="input__number"></td>
                    <td class="input__number">
                        <button>Phát sinh và tính toán</button>
                    </td>
                </tr>
                <tr>
                    <td>Mảng:</td>
                    <td><input type="text" id="Array" class="result" /></td>
                </tr>
                <tr>
                    <td>GTLN(MAX) trong mảng:</td>
                    <td><input type="text" id="MAX" class="result" /></td>
                </tr>
                <tr>
                    <td>TTNN(MIN) trong mảng:</td>
                    <td><input type="text" id="MIN" class="result" /></td>
                </tr>
                <tr>
                    <td>Tổng mảng:</td>
                    <td><input type="text" id="SUM" class="result" /></td>
                </tr>
            </table>
            <p>
                (<b>Ghi chú: </b> Các phần tử trong mảng sẽ có giá trị từ ở đến
                20)
            </p>
        </div>
    </body>
    <script src="app.js" type="text/javascript"></script>
</html>
```
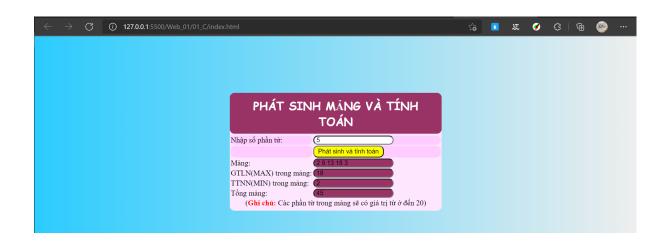
```javascript
$(function(){
    var NumArr = "";
    $("button").click(function(){
        var numArr = $(".Number").val();
        var Max = 0;
        var Min = 20;
        var Num;
        for(i = 0; i < numArr; i++){
            Num = Math.floor(Math.random() * 20);
            NumArr = NumArr + Num + " ";
            if (Num > Max)
            Max = Num;
            if (Num < Min)
            Min = Num;
        }

        var EleNum = NumArr.split(' ');
        var Sum = 0;
        $.each(EleNum, function(index,value){
            Sum = Sum + Number(value);
        });


        $("#Array").val(NumArr);
        $("#MAX").val(Max);
        $("#MIN").val(Min);
        $("#SUM").val(Sum);
    });
});
```

```css
* {
    padding: 0;
    margin: 0;
    box-sizing: border-box;
}

body {
    background-image:
    linear-gradient(to right, #2cccff, #eee);
    display: flex;
    justify-content: center;
    align-items: center;
}

#content {
    width: 450px;
    height: 250px;
    margin: 120px auto;
    background-color: #ffe6ff;
    border-radius: 10px;
}

td {
    width: 100%;
    border-radius: 10px;
}

tr td input {
    margin-right: 100px;
    border-radius: 10px;
    padding-left: 5px;
}

h2 {
    text-align: center;
    color: #fff;
    background-color: #993366;
    font-family: "Moon Dance", cursive;
    padding: 10px;
    border-radius: 10px;
}
```

```css
}
button {
    height: 25px;
    width: 150px;
    background-color: yellow;
    border-radius: 10px;
}

p {
    text-align: center;
}
b {
    color: red;
}

.title {
    margin-left: 10px;
}

.input__number {
    background-color: #ffccff;
}

#Array,
#MAX,
#MIN,
#SUM {
    background-color: #993366;
}
```

```php
1   <!DOCTYPE html>
2   <html lang="en">
3
4   <head>
5       <?php
6       $nameErr = $emailErr = $genderErr = $websiteErr = "";
7       $name = $email = $gender = $website = "";
8
9       if ($_SERVER["REQUEST_METHOD"] == "POST") {
10          if (empty($_POST["name"])) {
11              $nameErr = "Name is required";
12              $result1 = "background-color: #FFE4C4";
13          } else {
14              $name = test_input($_POST["name"]);
15          }
16
17          if (empty($_POST["email"])) {
18              $emailErr = "Email is required";
19              $result2 = "background-color:  #F4A460";
20          } else {
21              $email = test_input($_POST["email"]);
22          }
23
24          if (empty($_POST["website"])) {
25              $websiteErr = "Website is required";
26              $result3 = "background-color: #ADD8E6";
27          } else {
28              $website = test_input($_POST["website"]);
29          }
30
31          if (empty($_POST["comment"])) {
32              $comment = "";
33              $result4 = "background-color: #98FB98";
34          } else {
35              $comment = test_input($_POST["comment"]);
36          }
37
38          if (empty($_POST["gender"])) {
39              $genderErr = "Gender is required";
40              $result5 = "background-color: #BDB76B";
41          } else {
42              $gender = test_input($_POST["gender"]);
43          }
44      }
45      function test_input($data)
46      {
47          $data = trim($data);
48          $data = stripslashes($data);
49          $data = htmlspecialchars($data);
50          return $data;
51      }
52      ?>
```

```
52      ?>
53      <title>Web_2</title>
54      <style>
55          .error {
56              color: red;
57          }
58
59          .name {
60              width: 400px;
61              border-radius: 10px;
62          }
63
64          .email {
65              width: 400px;
66              border-radius: 10px;
67          }
68
69          .website {
70              width: 400px;
71              border-radius: 10px;
72          }
73
74          .comment {
75              width: 400px;
76              border-radius: 10px;
77          }
78
79          .general {
80              width: 400px;
81              border-radius: 10px;
82
83          }
84      </style>
85  </head>
```

```php
<body>
    <h2>PHP</h2>
    <p><span class="error">* required field.</span></p>
    <form method="post" action="<?php echo htmlspecialchars($_SERVER["PHP_SELF"]); ?>">

        <div class="name" style="<?php echo $result1 ?>">
            Name: <input type="text" name="name"></input>
            <span class="error">* <?php echo $nameErr; ?> </span>
            <br><br>
        </div>

        <div class="email" style="<?php echo $result2 ?>">
            E-mail: <input type="email" name="email">
            <span class="error">* <?php echo $emailErr; ?></span>
            <br><br>
        </div>

        <div class="website" style="<?php echo $result3 ?>">
            Website: <input type="text" name="website">
            <span class="error">* <?php echo $websiteErr; ?></span>
            <br><br>
        </div>

        <div class="comment" style="<?php echo $result4 ?>">
            comment: <textarea name="comment" cols="40" rows="5"></textarea>
            <br><br>
        </div>

        <div class="general" style="<?php echo $result5 ?>">
            General:
            <input type="radio" name="gender" value="female">Female
            <input type="radio" name="gender" value="male">Male
            <span class="error">* <?php echo $genderErr; ?></span>
            <br><br>
        </div>

        <input type="submit" name="submit" value="Submit">
    </form>

    <?php

    echo "<h2>Your Input:</h2>";
    echo "Name:" . $name;
    echo "<br>";
    echo "Email:" . $email;
    echo "<br>";
    echo "Website:" . $website;
    echo "<br>";
    echo "Comment:" . $comment;
    echo "<br>";
    echo "Gender:" . $gender;
    echo "<br>";
    ?>
</body>

</html>
```

PHP

* required field.

Name: [_____] * Name is required

E-mail: [_____] * Email is required

Website: [_____] * Website is required

comment: [_____]

General: ○ Female ○ Male * Gender is required

[Submit]

Your Input:

Name:
Email:
Website:
Comment:
Gender:

PHP

* required field.

Name: [_____] *

E-mail: [_____] *

Website: [_____] *

comment: [_____]

General: ○ Female ○ Male *

[Submit]

Your Input:

Name:PHẠM NGUYỄN PHƯƠNG DUY
Email:duylove0410@gmail.com
Website:duy.com
Comment:Hello
Gender:male

```html
1   <!DOCTYPE html>
2   <html>
3       <head>
4           <meta charset="UTF-8" />
5           <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6           <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7           <script src="images_Lab06/jquery-3.2.1.js"></script>
8           <link href="style_03.css" rel="stylesheet" type="text/css" />
9       </head>
10      <body>
11          <div class="container">
12              <table class="table" id="table">
13                  <thead>
14                      <tr>
15                          <th scope="col">
16                          ID
17                          <input
18                              type="text"
19                              name=""
20                              id="search_id"
21                              onkeyup="FilterkeyWord()"
22                          />
23                          </th>
24                          <th scope="col">
25                          First Name
26                          <input
27                          type="text"
28                          name=""
29                          id="search_firstname"
30                          onkeyup="FilterkeyWord()"
31                          />
32                          </th>
33                          <th scope="col">
34                          Last Name
35                          <input
36                              type="text"
37                              name=""
38                              id="search_lastname"
39                              onkeyup="FilterkeyWord()"
40                          />
41                          </th>
42                          <th scope="col">
43                          Email
44                          <input
45                              type="text"
46                              name=""
47                              id="search_email"
48                              onkeyup="FilterkeyWord()"
49                          />                </th>
50                      </tr>
51                  </thead>
52                  <tbody id="my-table"></tbody>
53                  </table>
54          </div>
55          </div>
56      </body>
57      <script src="main.js" type="text/javascript"></script>
58  </html>
59
```

```css
1   * {
2       padding: 0;
3       margin: 0;
4       box-sizing: border-box;
5   }
6
7   table {
8       font-family: arial, sans-serif;
9       border-collapse: collapse;
10      width: 100%;
11  }
12
13  td,
14  th {
15      border: 1px solid #dddddd;
16      text-align: left;
17      padding: 8px;
18  }
19
20  tr:nth-child(even) {
21      background-color: #dddddd;
22  }
23
```

```javascript
fetch("infor.json")
  .then(function (response) {
    return response.json();
  })
  .then(function (data) {
    console.log(data);

    var table = document.getElementById("my-table");
    for (var i = 0; i < data.length; i++) {
      var row = `<tr>
        <td>${data[i].ID}</td>
        <td>${data[i].firstname}</td>
        <td>${data[i].lastname}</td>
        <td>${data[i].email}</td>`;

      table.innerHTML += row;
    }
  })
  .catch(function (err) {
    console.log(err);
  });

function FilterkeyWord() {
  // Declare variables

  var inputSearchId = document.getElementById("search_id");
  var inputSearchFirstName = document.getElementById("search_firstname");
  var inputSearchLastName = document.getElementById("search_lastname");
  var inputSearchEmail = document.getElementById("search_email");
  var filter = inputSearchId.value.toLowerCase();
  var filter1 = inputSearchFirstName.value.toLowerCase();
  var filter2 = inputSearchLastName.value.toLowerCase();
  var filter3 = inputSearchEmail.value.toLowerCase();
  var table = document.getElementById("table");
  var tr = table.getElementsByTagName("tr");

  // Loop through all table rows, and hide those who don't match the search query
  for (i = 0; i < tr.length; i++) {
    // change index to change your column search
    td = tr[i].getElementsByTagName("td")[0];
    td1 = tr[i].getElementsByTagName("td")[1];
    td2 = tr[i].getElementsByTagName("td")[2];
    td3 = tr[i].getElementsByTagName("td")[3];

    if (td && td1 && td2 && td3) {
      if (
        td.innerHTML.toLowerCase().indexOf(filter) > -1 &&
        td1.innerHTML.toLowerCase().indexOf(filter1) > -1 &&
        td2.innerHTML.toLowerCase().indexOf(filter2) > -1 &&
        td3.innerHTML.toLowerCase().indexOf(filter3) > -1
      ) {
        tr[i].style.display = "";
      } else {
        tr[i].style.display = "none";
      }
    }
  }
}
```

```json
Web_03 > {} infor.json > ...
1   [
2       {
3           "ID": 1,
4           "firstname": "John",
5           "lastname": "Doe",
6           "email": "john@example.com"
7       },
8       {
9           "ID": 2,
10          "firstname": "July",
11          "lastname": "Dooley",
12          "email": "july@greatstuff.com"
13      },
14      {
15          "ID": 3,
16          "firstname": "Anja",
17          "lastname": "Ravendate",
18          "email": "a_r@test.com"
19      },
20      {
21          "ID": 4,
22          "firstname": "Hoang",
23          "lastname": "Chau",
24          "email": "hoang22201@gmail.com"
25      },
26      {
27          "ID": 5,
28          "firstname": "Khanh",
29          "lastname": "Hoang",
30          "email": "wibuhkhang@gmail.com"
31      },
32      {
33          "ID": 6,
34          "firstname": "Duy",
35          "lastname": "Pham",
36          "email": "duylove04@gmail.com"
37      }
38  ]
39
```

localhost/Assignment_06/Web_03/

ID	First Name	Last Name	Email
1	John	Doe	john@example.com
2	July	Dooley	july@greatstuff.com
3	Anja	Ravendate	a_r@test.com
4	Hoang	Chau	hoang22201@gmail.com
5	Khanh	Hoang	wibuhkhang@gmail.com
6	Duy	Pham	duylove04@gmail.com

localhost/Assignment_06/Web_03/

ID	First Name	Last Name	Email
1	John	Doe	john@example.com
2	July	Dooley	july@greatstuff.com
3	Anja	Ravendate	a_r@test.com