

# Vũ Quang Minh

## 18110150

### Bài 1a

```
<!doctype html>
<html lang="en">
```

```
<head>
  <title>Chào theo giờ</title>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">

  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRxT2MZ
w1T" crossorigin="anonymous">
</head>
```

```
<body>

  <section class="container">
    <div class="row">
      <div class="col-12 text-uppercase text-center h2 py-2 font-weight-
bold" style="background-color: #98cafa; color: blue">
        Chào theo giờ
      </div>
      <div class="col-6 py-2 text-center" style="background-color:
#c4eaeab;">
        Nhập giờ
      </div>
      <div class="col-6 py-2" style="background-color: #c4eaeab;">
        <input type="number" required class="form-control" name="hour"
id="hour" aria-describedby="helpId" placeholder="">
      </div>
      <div class="col-12 text-center py-2" id="result" style="background-
color: #c4eaeab;"></div>
      <div class="col-12 text-center py-2" style="background-color:
#98cafa">
        <button name="showResult" id="showResult" class="btn btn-
secondary">Chào</button>
      </div>
    </div>
  </section>
  <script>
    document.getElementById('showResult').addEventListener('click',
function() {
    var hour = document.getElementById('hour').value;
    if (hour == '') {
      alert('Vui lòng nhập giờ');
    } else if (hour < 0 || hour >= 24) {
      alert('Giờ hợp lệ là từ 0 đến 23 giờ');
    } else {
      if (hour >= 5 && hour <= 10) {
        document.getElementById('result').innerHTML = 'Chào buổi
sáng';
```

```

    } else if(hour >=11 && hour <= 14) {
        document.getElementById('result').innerHTML = 'Chào buổi
trưa';
    } else if(hour >=15 && hour <= 18) {
        document.getElementById('result').innerHTML = 'Chào buổi
chiều';
    } else {
        document.getElementById('result').innerHTML = 'Chào buổi
tối';
    }
});
</script>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
izo" crossorigin="anonymous"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
integrity="sha384-
U02eT0CpHqdsJQ6hJty5KVphtPhzWj9W01clLHTMga3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDs f4x0xIM+B07
jRM" crossorigin="anonymous"></script>
</body>

</html>.
```

## Bài 1b

```

<!doctype html>
<html lang="en">

<head>
    <title>Diện tích và Chu vi Hình tròn</title>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">

    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?
family=Hurricane&display=swap" rel="stylesheet">

    <!-- Bootstrap CSS -->
```

```

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRxT2MZ
w1T" crossorigin="anonymous">
</head>

<body>

    <section class="container">
        <div class="row">
            <div class="col-12 text-uppercase text-center py-2 h1 font-weight-
bold"
                style="font-family: 'Hurricane', cursive; background-color: #fecb65;
color: red">
                Diện tích và Chu vi hình tròn
            </div>
            <div class="col-6 py-2 text-center" style="background-color:
#feebca;" >
                Bán kính
            </div>
            <div class="col-6 py-2" style="background-color: #feebca;">
                <input type="number" step="0.01" required class="form-control"
name="radius" id="radius" aria-describedby="helpId" placeholder="">
            </div>
            <div class="col-6 py-2 text-center" style="background-color:
#feebca;">
                Diện tích
            </div>
            <div class="col-6 py-2" style="background-color: #feebca;">
                <input type="number" readonly class="form-control" name="area"
id="area" aria-describedby="helpId" placeholder="">
            </div>
            <div class="col-6 py-2 text-center" style="background-color:
#feebca;">
                Chu vi
            </div>
            <div class="col-6 py-2" style="background-color: #feebca;">
                <input type="number" readonly class="form-control"
name="perimeter" id="perimeter" aria-describedby="helpId" placeholder="">
            </div>
            <div class="col-12 text-center py-2" style="background-color:
#feebca;" id="result"></div>
            <div class="col-12 text-center py-2" style="background-color:
#fecb65;">
                <button name="showResult" id="showResult" class="btn btn-
secondary">Tính</button>
            </div>
        </div>
    </section>
    <script>
        document.getElementById('showResult').addEventListener('click',
function() {
            var radius = document.getElementById('radius').value;
            if (radius == '') {
                alert('Vui lòng nhập Bán kính');
            } else if (radius < 0) {
                alert('Vui lòng nhập số dương');
            } else {
                document.getElementById('area').value = 3.14 * Math.pow(radius,
2);
                document.getElementById('perimeter').value = 2 * 3.14 * radius;
            }
        });
    </script>

```

```

});
</script>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
izo" crossorigin="anonymous"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
integrity="sha384-
U02eT0CpHqdSjQ6hJty5KVphtPhzWj9W01cLHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07
jRM" crossorigin="anonymous"></script>
</body>
</html>

```

## DIỆN TÍCH VÀ CHU VI HÌNH TRÒN

Bán kính

9

Diện tích

254.34

Chu vi

56.52

Tính

## Bài 1C

```

<!doctype html>
<html lang="en">

```

```

<head>

```

```

  <title>Dãy số</title>

```

```

  <!-- Required meta tags -->

```

```

  <meta charset="utf-8">

```

```

  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">

```

```

  <link rel="preconnect" href="https://fonts.googleapis.com">

```

```

  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

```

```

  <link href="https://fonts.googleapis.com/css?
family=Charm:wght@700&family=Hurricane&display=swap" rel="stylesheet">

```

```

  <!-- Bootstrap CSS -->

```

```

  <link rel="stylesheet"

```

```

href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"

```

```

integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRxT2MZ
w1T" crossorigin="anonymous">

```

```

</head>

```

```

<body>

```

```

<section class="container">
  <div class="row">
    <div class="col-12 text-uppercase text-center text-white py-2 h1
font-weight-bold" style="background-color: #920161; font-family: 'Charm',
cursive;">
      PHÁT SINH MẢNG VÀ TÍNH TOÁN
    </div>
    <div class="col-6 py-2 text-center" style="background-color:
#fecce7;">
      Nhập số 'phần tử'
    </div>
    <div class="col-6 py-2" style="background-color: #fecce7;">
      <input type="number" required class="form-control" name="n"
id="n" aria-describedby="helpId" placeholder="">
    </div>
    <div class="col-12 py-2 text-center" style="background-color:
#fecce7;">
      <button name="showResult" id="showResult" class="btn"
style="background-color: #fdfd98;">Phát sinh và tính toán</button>
    </div>
    <!-- <div class="col-6 py-2 bg-success">
      <input type="number" readonly class="form-control" name="area"
id="area" aria-describedby="helpId" placeholder="">
    </div> -->
    <div class="col-6 py-2 text-center" style="background-color:
#feecf8;">
      Mảng:
    </div>
    <div class="col-6 py-2" style="background-color: #feecf8;">
      <input type="text" readonly class="form-control"
name="array_element" id="array_element" aria-describedby="helpId"
placeholder="" style="background-color: #fd969a;">
    </div>
    <div class="col-6 py-2 text-center" style="background-color:
#feecf8;">
      GTLN (MAX) trong mảng:
    </div>
    <div class="col-6 py-2" style="background-color: #feecf8;">
      <input type="text" readonly class="form-control"
name="array_max" id="array_max" aria-describedby="helpId" placeholder=""
style="background-color: #fd969a;">
    </div>
    <div class="col-6 py-2 text-center" style="background-color:
#feecf8;">
      TTNN (MIN) trong mảng:
    </div>
    <div class="col-6 py-2" style="background-color: #feecf8;">
      <input type="text" readonly class="form-control"
name="array_min" id="array_min" aria-describedby="helpId" placeholder=""
style="background-color: #fd969a;">
    </div>
    <div class="col-6 py-2 text-center" style="background-color:
#feecf8;">
      Tổng mảng:
    </div>
    <div class="col-6 py-2" style="background-color: #feecf8;">
      <input type="text" readonly class="form-control"
name="array_sum" id="array_sum" aria-describedby="helpId" placeholder=""
style="background-color: #fd969a;">
    </div>
    <div class="col-12 text-center" style="background-color: #feecf8;">

```

```

        <span style="color: #b1202c; font-weight: bold">Ghi chú:</span>
Các phân tử trong mảng sẽ có giá trị từ 0 đến 20
    </div>
</div>
</section>
<script>
    function getRandomInt(max) {
        return Math.floor(Math.random() * max);
    }
    document.getElementById('showResult').addEventListener('click',
function() {
    var n = document.getElementById('n').value;
    if (n == '') {
        alert('Vui lòng nhập Số phân tử');
    } else if (n <= 0) {
        alert('Vui lòng nhập số nguyên dương lớn hơn 0');
    } else {

        let array_random = [];

        //Gán giá trị lớn, nhỏ nằm ngoài biên độ quy định để sẽ thay đổi
khi vào vòng lặp
        let array_max = 0;
        let array_min = 30;

        //Gán giá trị trước
        let text = "";
        let array_sum = 0;

        //Vòng lặp
        for (let i = 0; i < n; i++) {
            let new_element = getRandomInt(21);

            array_random.push(new_element);

            text += new_element + " ";
            array_sum += new_element;
            //Số lớn nhất, nhỏ nhất sẽ thay đổi khi lần lượt gán phân tử
mới lớn hơn, hoặc nhỏ hơn
            if (new_element > array_max) array_max = new_element;
            if (new_element < array_min) array_min = new_element;

        }

        document.getElementById('array_element').value = text;
        document.getElementById('array_max').value = array_max;
        document.getElementById('array_min').value = array_min;
        document.getElementById('array_sum').value = array_sum;
    }
});
</script>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
izo" crossorigin="anonymous"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
integrity="sha384-
U02eT0CpHqdsJQ6hJty5KVphtPhzWj9W01clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>

```

```

<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>
</body>

</html>

```

# PHÁT SINH MẢNG VÀ TÍNH TOÁN

Nhập số phần tử	<input type="text" value="6"/>
<b>Phát sinh và tính toán</b>	
Mảng:	4 8 13 12 12 1
GTLN (MAX) trong mảng:	13
TTNN (MIN) trong mảng:	1
Tổng mảng:	50

**Ghi chú:** Các phần tử trong mảng sẽ có giá trị từ 0 đến 20

## Câu 2

```

<!doctype html>
<html lang="en">

<head>
  <title>Validation</title>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">

  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-gg0yR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRxT2MZ
w1T" crossorigin="anonymous">
</head>

<body>
  <section class="container">
    <div class="row">
      <div class="col-12 text-center p-2 h1 text-capitalize font-weight-bold">
        PHP form validation example
      </div>
      <div class="col-12 p-2 h6 text-center" style="color: red;">
        * is required
      </div>
    </div>
    <div class="row" id="name_region">

```

```

<div class="col-6 py-1 text-center">
    Name
</div>
<div class="col-5 py-1">
    <div class="form-group">
        <input type="text" class="form-control" name="name" id="name" aria-
describedby="helpId" placeholder="">
    </div>
</div>
<div class="col-1" style="color: red;" id="name_warning">*</div>
</div>
<div class="row" id="email_region">
    <div class="col-6 py-1 text-center">
        Email
    </div>
    <div class="col-5 py-1">
        <div class="form-group">
            <input type="text" class="form-control" name="email" id="email" aria-
describedby="helpId" placeholder="">
        </div>
    </div>
    <div class="col-1" style="color: red;" id="email_warning">*</div>
</div>
<div class="row">
    <div class="col-6 py-1 text-center">
        Website
    </div>
    <div class="col-6 py-1">
        <div class="form-group">
            <input type="text" class="form-control" name="website" id="website"
aria-describedby="helpId" placeholder="">
        </div>
    </div>
    <div class="col-6 py-1 text-center">
        Comment
    </div>
    <div class="col-6">
        <div class="form-group">
            <textarea class="form-control" name="comment" id="comment"
rows="3"></textarea>
        </div>
    </div>
</div>
<div class="row" id="gender_region">
    <div class="col-3 text-center">Gender</div>
    <div class="form-check col-8">
        <div class="row">
            <div class="col-6 text-center">
                <label class="form-check-label text-center">
                    <input type="radio" class="form-check-input" name="gender"
id="male" value="1">
                    Male
                </label>
            </div>
            <div class="col-6 text-center">
                <label class="form-check-label">
                    <input type="radio" class="form-check-input" name="gender"
id="female" value="0">
                    Female
                </label>
            </div>
        </div>
    </div>
</div>

```



```

    </div>
    <div class="col-1" style="color: red;" id="gender_warning">*</div>
    <div class="col-12 text-center">
        <button onclick="return validation()" type="button" id="submit"
class="btn btn-primary">Submit</button>
    </div>
</div>
</section>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
izo" crossorigin="anonymous"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
integrity="sha384-
U02eT0CpHqdsSJQ6hJty5KVphtPhzWj9W01clLHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07
jRM" crossorigin="anonymous"></script>
<script src="validation.js"></script>
</body>

</html>

```

## Validation.js

```

// document.getElementById('submit').addEventListener('click', function() {

function validation() {
    let name = document.getElementById('name');
    let email = document.getElementById('email');
    // let website = document.getElementById('name');
    // let comment = document.getElementById('name');
    let male = document.getElementById('male');
    let female = document.getElementById('female')

    let result1 = true,
        result2 = true,
        result3 = true;

    if (male.checked === false && female.checked === false) {
        document.getElementById('gender_region').style.backgroundColor =
"#feebca";
        document.getElementById('gender_warning').innerHTML = 'Gender is
required';
        result1 = false;
    } else {
        document.getElementById('gender_region').style.backgroundColor =
"white";
        document.getElementById('gender_warning').innerHTML = '*';
        result1 = true;
    }

    if (name.value == '') {
        document.getElementById('name_region').style.backgroundColor =
"#feebca";
        document.getElementById('name_warning').innerHTML = 'Name is required';
        result2 = false;
    } else {
        document.getElementById('name_region').style.backgroundColor = 'white';
    }
}

```

```

        document.getElementById('name_warning').innerHTML = '*';
        result2 = true;
    }

    if (email.value == '') {
        document.getElementById('email_region').style.backgroundColor =
'#feebca';
        document.getElementById('email_warning').innerHTML = 'Email is
required';
        result3 = false;
    } else {
        document.getElementById('email_region').style.backgroundColor = 'white';
        document.getElementById('email_warning').innerHTML = '*';
        result3 = true;
    }

    let result = result1 && result2 && result3;

    if (result === true) return true;
    return false;
}

```

## PHP Form Validation Example

\* is required

Name	<input type="text" value="Minh"/>	*
Email	<input type="text" value="vuquangminh872000@gmail.com"/>	*
Website	<input type="text" value="minh123.com"/>	
Comment	<div><div></div></div>	
Gender	<input checked="" type="radio"/> Male <input type="radio"/> Female <span style="float: right; color: red;">*</span>	
<input type="button" value="Submit"/>		

### Bài 3

```

<!doctype html>
<html lang="en">

```

```

<head>
    <title>HttpXML</title>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQU0hcWr7x9JvoRxT2MZ
w1T" crossorigin="anonymous">
</head>

```

```

<body>
  <section class="container">
    <div class="row">
      <div class="col-12 p-2">
        <div class="form-group">
          <label for="">Nhập tìm kiếm</label>
          <input type="text" class="form-control" name="name"
id="name" onkeypress="loadDoc()" aria-describedby="helpId" placeholder="">
        </div>
      </div>
      <div class="col-12 p-2" id="demo"></div>
    </div>

  </section>
  <!-- Optional JavaScript -->
  <!-- jQuery first, then Popper.js, then Bootstrap JS -->
  <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6j
izo" crossorigin="anonymous"></script>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
integrity="sha384-
U02eT0CpHqdsJQ6hJty5KVphtPhzWj9W01cLHTMga3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
  <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07
jRM" crossorigin="anonymous"></script>
  <script>
    function capitalizeFirstLetter(string) {
      return string.charAt(0).toUpperCase() + string.slice(1);
    }

    function loadDoc() {

      const xhttp = new XMLHttpRequest();
      xhttp.responseType = 'json';
      xhttp.open("GET", "3.database.php", true);
      xhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {

          var data = xhttp.response;

          let keyword = document.getElementById('name').value;
          keyword = capitalizeFirstLetter(keyword);

          var data_found = data.filter((element) => {
            return element['firstname'].includes(keyword) ||
              element['lastname'].includes(keyword) ||
              element['email'].includes(keyword);
          });

          let text = `
<table class="table">
  <thead>
    <tr>
      <th>ID</th>
      <th>FirstName</th>
      <th>LastName</th>
      <th>Email</th>

```

```

        </tr>
    </thead>
    <tbody>
        `;
        for (key in data_found) {
            text += `<tr>`;
            for (subkey in data_found[key]) {
                text += `<td>${data_found[key][subkey]}</td>`;
            }
            text += `</tr>`;
        }
        text += `</tbody>
    </table>`;
        document.getElementById("demo").innerHTML = text;
    }
};
xhttp.send();
}
</script>
</body>

</html>

```

## Database.html

```

<?php
$servername = '127.0.0.1';
$username = 'root';
$password = 'Minh@vu872000';
$db = 'ajax';

try {
    $conn = new PDO(
        "mysql:host=$servername;dbname=$db",
        $username,
        $password
    );

    // set the PDO error mode to exception
    $conn->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
} catch (PDOException $e) {
    echo "Connection failed: " . $e->getMessage();
}

$sql = <<<EOD
    select * from customer
EOD;

$stmt = $conn->prepare($sql);

// $stmt->bindValue(":ma_game", $id, PDO::PARAM_INT);

$stmt->execute();
$abc = $stmt->fetchAll(PDO::FETCH_OBJ);

$conn = null;

$xyz = json_encode($abc);

echo $xyz;

```

Nhập tìm kiếm

m|

ID	FirstName	LastName	Email
22	Mary	Moe	mary@mail.com

Nhập tìm kiếm

jl|

ID	FirstName	LastName	Email
21	John	Doe	john@example.com
23	July	Dooley	july@greatstuff.com