

PRACTICE REPORT

Subject: Web application

Lab 2: Javascript

Instructor: Trần Vĩnh Khiêm

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1. GENERAL INFORMATION:

Class: MSIS207.012.CTTT.1

No	Name	Student ID	Email
1	Nguyễn Văn Trường Khoa	20521472	20521472@gm.uit.edu.vn
2			

DETAILED REPORT

Link Github contain code:

<https://github.com/KRocker3512/Web-app-practice-class>

Note : If you can't access link above, please contact to me via email :20521472@gm.uit.edu.vn .

Exercise 1:

Question 1:

Code

```
console.log("Question 1:")
const currentDate = new Date();
const dayNumber = currentDate.getDay();
const days = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"];
const currentDay = days[dayNumber];
let hours = currentDate.getHours();
const minutes = currentDate.getMinutes();
const seconds = currentDate.getSeconds();
const ampm = hours >= 12 ? 'PM' : 'AM';
hours = hours % 12;
hours = hours ? hours : 12;
console.log(`Today is: ${currentDay}.`);
console.log(`Current time is: ${hours} ${ampm} : ${minutes} : ${seconds}`);
```

Demo

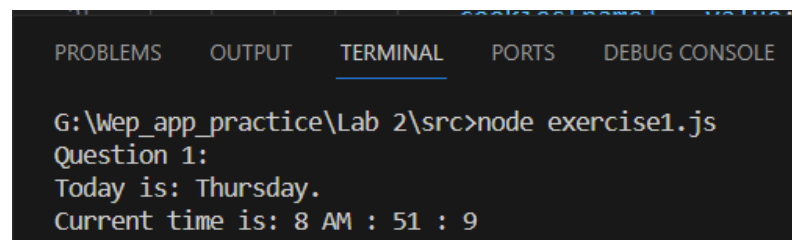


Image 1. Demo of exercise 1.1.

Question 2:

Code

```
console.log("")
console.log("Question 3:")
function parseCookieHeader(cookieHeader) {
  const cookies = {};
  const cookieArray = cookieHeader.split(';');
  cookieArray.forEach(cookie => {
    const [name, value] = cookie.trim().split('=');
    cookies[name] = value;
  });
}
```

```

    });

    return cookies;
  }

  const cookieHeader =
"cookie1=_hjSessionUser_731679=eyJpZCI6IjZiYzg4NTgzLTA2ODctNWNiMi1hZmM0LTg2YTI1ODUwYmNhMCIsImNyZWZlZmQwOTg0NjA3NDUsImV4aXN0aW5nIjpmYXxzZX0=;__iid=;fpt_uuid=%22cb599e47-590e-4896-b291-40c5cb30b2bf%22;_hjAbsoluteSessionInProgress=0;dtzd=d596bd12-d650-4d78-89d5-912e8a1fe8c2;__su=0;__IP=1952847243;__RC=5;ози=2000.SSZzejyD7iu_cVEzsr0LpYAPvhoKka7GR9V-_ix0Iyv-rUpesm1HYJFLvAIU2bQCEj_hgD89M85-sUket0TOZ3So.1;undefined=undefined;_fbp=fb.2.1700098459134.811479027;__zi=3000.SSZzejyD7iu_cVEzsr0LpYAPvhoKka7GR9V-_yX0Iyz-rUpfsmTGY3FIxQMI0bkADD6Yfv037umqqQofbWuUXm.1;__R=3;cf_clearance=lpmku.w0o66zPtjTxmCqwpt1.8XxPF4FjR_nUdZPU5M-1700098453-0-1-ed57e9f4.6ae96b03.ba56b614-0.2.1700098453;__uif=__uid%3A1758247890457935724%7C__ui%3A-1%7C__create%3A1658247890;__tb=0;vMobile=1;_admUTMtime=1700098459;__iid=;__rtbh.lid=%7B%22eventType%22%3A%22lid%22%2C%22id%22%3A%22yrKo07UZxt3kMbFEWrwb%22%7D;__su=0;_ga=GA1.3.129436683.1700098450;_ga_ZR815NQ85K=GS1.1.1700098449.1.1.1700098546.60.0.0;_gcl_au=1.1.1072636705.1700098450;_gid=GA1.3.82745712.1700098451;_hjFirstSeen=1;_hjIncludedInSessionSample_731679=0;_hjSession_731679=eyJpZCI6IjdmMzA2NTM3LTNmZGYtNGI5S05MDY3LTm0MWY3NGNiNDhlYSIsImNyZWZlZmQwOTg0NjA3NDcsImluU2FtcGx1IjpmYXxzZWic2Vzc2lvcml6ZXJCZXRhRW5hYmxlZCI6dHJ1ZX0=;_tt_enable_cookie=1;_ttp=HAsTsJC_ch5BZVAgAGPej_2M8LB;ajs_group_id=null;log_6dd5cf4a-73f7-4a79-b6d6-b686d28583fc=cd73e63d-7b5c-44ce-a0c9-0f8821af6284";

    const parsedCookies = parseCookieHeader(cookieHeader);

    console.log("Parsed Cookies:", parsedCookies);

```

Demo

```

Question 3:
Parsed Cookies: {
  cookie1: '_hjSessionUser_731679',
  __iid: '',
  fpt_uuid: '%22cb599e47-590e-4896-b291-40c5cb30b2bf%22',
  _hjAbsoluteSessionInProgress: '0',
  dtzd: 'd596bd12-d650-4d78-89d5-912e8a1fe8c2',
  __su: '0',
  __IP: '1952847243',
  __RC: '5',
  ozi: '2000.SSZzejyD7iu_cVEzsr0LpYAPvhoKka7GR9V-_ix0Iyv-rUpesm1HYJFLvAIU2bQCEj_hgD89M85-sUket0TOZ3So.1',
  undefined: 'undefined',
  _fbp: 'fb.2.1700098459134.811479027',
  __zi: '3000.SSZzejyD7iu_cVEzsr0LpYAPvhoKka7GR9V-_yX0Iyz-rUpfsmTGY3FIxQMI0bkADD6Yfv037umqqQofbWuUXm.1',
  __R: '3',
  cf_clearance: 'lpmku.w0o66zPtjTxmCqwpt1.8XxPF4FjR_nUdZPU5M-1700098453-0-1-ed57e9f4.6ae96b03.ba56b614-0.2.1700098453',
  __uif: '__uid%3A1758247890457935724%7C__ui%3A-1%7C__create%3A1658247890',
  __tb: '0',
  vMobile: '1',
  _admUTMtime: '1700098459',
  __rtbh.lid: '%7B%22eventType%22%3A%22lid%22%2C%22id%22%3A%22yrKo07UZxt3kMbFEWrwb%22%7D',
  _ga: 'GA1.3.129436683.1700098450',
  _ga_ZR815NQ85K: 'GS1.1.1700098449.1.1.1700098546.60.0.0',
  _gcl_au: '1.1.1072636705.1700098450',
  _gid: 'GA1.3.82745712.1700098451',
  _hjFirstSeen: '1',
  _hjIncludedInSessionSample_731679: '0',
  _hjSession_731679: 'eyJpZCI6IjdmMzA2NTM3LTNmZGYtNGI5S05MDY3LTm0MWY3NGNiNDhlYSIsImNyZWZlZmQwOTg0NjA3NDcsImluU2FtcGx1IjpmYXxzZWic2Vzc2lvcml6ZXJCZXRhRW5hYmxlZCI6dHJ1ZX0=;_tt_enable_cookie=1;_ttp=HAsTsJC_ch5BZVAgAGPej_2M8LB;ajs_group_id=null;log_6dd5cf4a-73f7-4a79-b6d6-b686d28583fc: 'cd73e63d-7b5c-44ce-a0c9-0f8821af6284'
}

```

Image 2. Demo of exercise 1.2.



Exercise 2:

Code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Exercise 2</title>
  <style>
    .highlight {
      font-weight: bold;
      color: red; /* You can customize the color */
    }
  </style>
</head>

<body>

<h1>Exercise 1</h1>

<h2>Question 1,2</h2>
<form id="myForm">
  <input type="submit" value="Submit" id="submitButton">
</form>

<h2>Quesrion 3</h2>
<form id="ageForm">
  <label for="birthYear">Enter Birth Year:</label>
  <input type="text" id="birthYear" name="birthYear">
  <button type="button" onclick="calculateAge()">Calculate Age</button>
</form>

<h2>Quesrion 4</h2>
<p><strong>We</strong> have just started <strong>this</strong> section for the
users (<strong>beginner</strong> to intermediate) who <strong>want</strong> to
work with <strong>various</strong> JavaScript <strong>problems</strong> and write
scripts online to <strong>test</strong> their JavaScript
<strong>skill</strong>.</p>
<p>[<a href="#" onMouseOver="highlight()" onMouseOut="return_normal()">Hover
me</a>]</p>

<script>
  /*Question 1*/
  document.getElementById('myForm').addEventListener('submit', function (event)
  {
    event.preventDefault();
```

```
document.getElementById('submitButton').value = 'Submitted!';

/*Question 2*/
const submitButtonValue = document.getElementById('submitButton').value;
console.log('Submit Button Value:', submitButtonValue);
});

/*Question 3*/
function calculateAge() {
    const birthYear = document.getElementById('birthYear').value;
    const currentYear = new Date().getFullYear();
    const age = currentYear - parseInt(birthYear);

    alert('Your age is: ' + age);
}

/*Question 4*/

var bold_Items;
window.onload = getBold_items();

function getBold_items()
{
    bold_Items = document.getElementsByTagName('strong');
}

function highlight()
{
    for (var i=0; i<bold_Items.length; i++)
    {
        bold_Items[i].style.color = "red";
    }
}

function return_normal()
{
    for (var i=0; i<bold_Items.length; i++)
    {
        bold_Items[i].style.color = "black";
    }
}
</script>

</body>
</html>
```

Demo

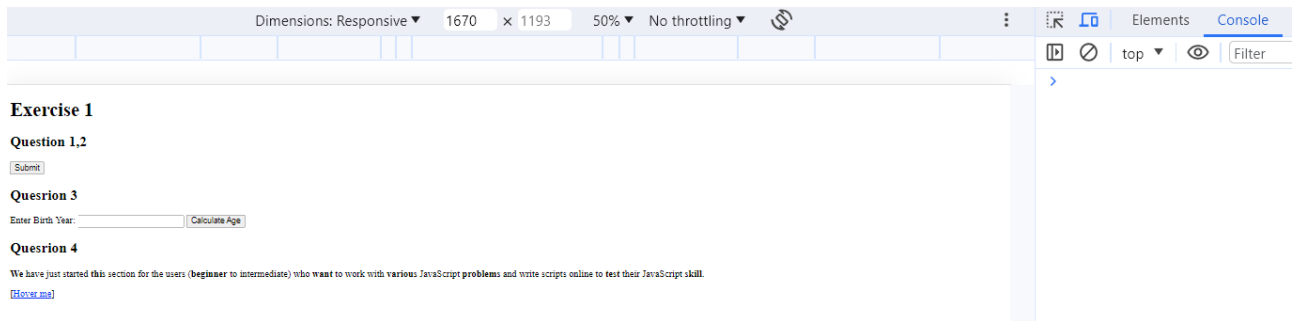


Image 3. Demo of exercise 2.1 and 2.2 before click button.

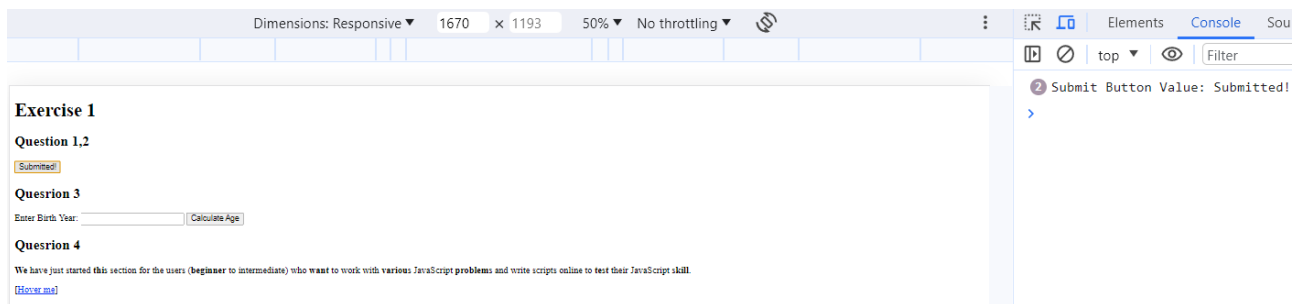


Image 4. Demo of exercise 2.1 and 2.2 after click button.

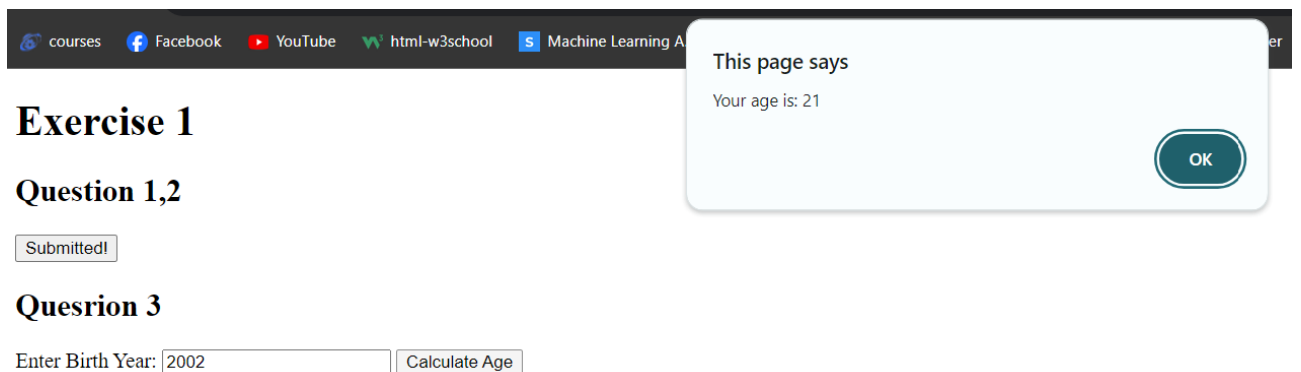


Image 5. Demo of exercise 2.3 after input and click button.

Question 4

We have just started this section for the users (beginner to intermediate) who want to work with various JavaScript problems and write scripts online to test their JavaScript skill.

[\[Hover me\]](#)

Image 6. Demo of exercise 2.4 before hover link.

Question 4

We have just started this section for the users (beginner to intermediate) who want to work with various JavaScript problems and write scripts online to test their JavaScript skill.

[\[Hover me\]](#)

Image 7. Demo of exercise 2.4 after hover link.

Exercise 3:

Exercise 4:

Homework 1:

Homework 2.1:

Homework 2.2:

Homework 2.3: