**PRACTICE REPORT**

**Subject: Web application**

**Lab 2: Javascript**

*Instructor: Trần Vĩnh Khiêm*

*Report date: 22/11/2023*

1. **GENERAL INFORMATION:**

Class: MSIS207.O12.CTTT.1

|  |  |  |  |
| --- | --- | --- | --- |
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## 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 .

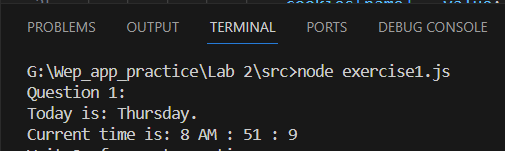
**Exercise 1:**

**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=eyJpZCI6IjZiYzg4NTgzLTA2ODctNWNiMi1hZmM0LTg2YTI1ODUwYmNhMCIsImNyZWF0ZWQiOjE3MDAwOTg0NjA3NDUsImV4aXN0aW5nIjpmYWxzZX0=;\_\_iid=;fpt\_uuid=%22cb599e47-590e-4896-b291-40c5cb30b2bf%22;\_hjAbsoluteSessionInProgress=0;dtdz=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-rUpfsmTGY3FIxQMI0bkADD6YfvO37umqqQofbWuUXm.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%22yrKoO7UZXt3kMbFEWrwB%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=eyJpZCI6IjdmMzA2NTM3LThmZGYtNGI5YS05MDY3LTM0MWY3NGNiNDhlYSIsImNyZWF0ZWQiOjE3MDAwOTg0NjA3NDcsImluU2FtcGxlIjpmYWxzZSwic2Vzc2lvbml6ZXJCZXRhRW5hYmxlZCI6dHJ1ZX0=;\_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



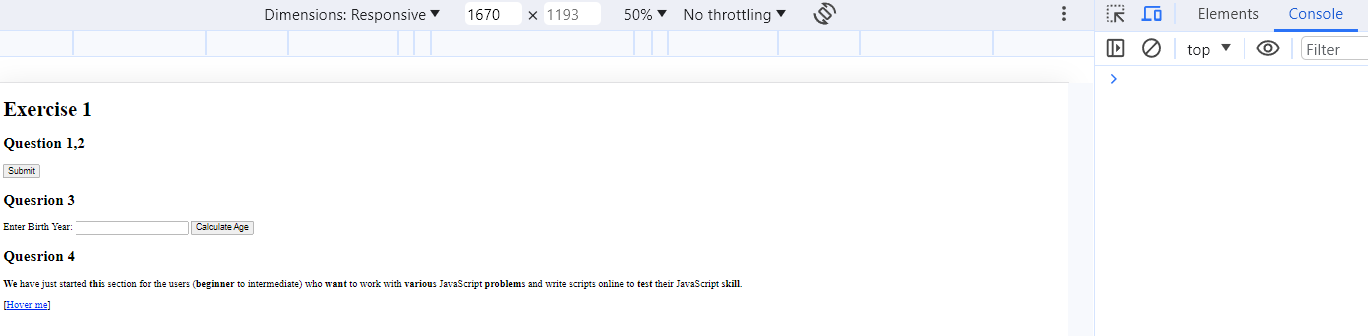
*Image 2. Demo of exercise 1.2*.

**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*.

A screenshot of a computer

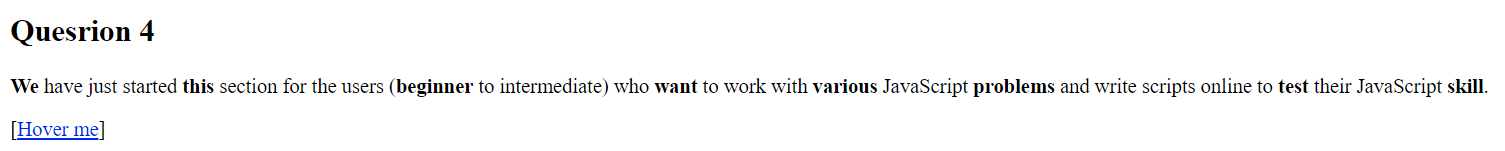
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*Image 4. Demo of exercise 2.1 and 2.2 after click button*.

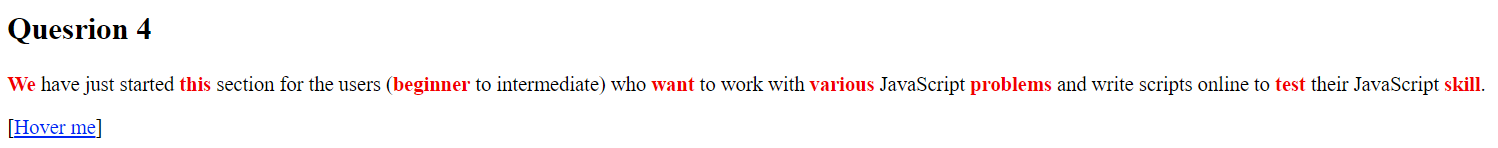
A screenshot of a computer

Description automatically generated

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



*Image 6. Demo of exercise 2.4 before hover link*.



*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: