

LAB-1

CREATE A CLASS TIMETABLE USING HTML TABLES AND CSS. SHOW THE CLASS TIMINGS, SUBJECTS, AND DAYS OF THE WEEK. USE HTML TO ORGANIZE THE INFORMATION NEATLY AND CSS TO MAKE IT VISUALLY APPEALING. KEEP IT SIMPLE AND EASY TO UNDERSTAND.

HTML:

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Implementation of table</title>
  <style>
    body{
      font-family: sans-serif;
    }
    table, th, td{
      border: 1.5px solid #000000;
      border-collapse: collapse;
    }
    table{
      text-align: center;
      width: 1000px;
    }
    pre{
      font-weight: bold;
      font-size: 20px;
    }
    #break{
      width: 150px;
    }
    .day{
      font-weight: bold;
    }
  </style>
</head>
<body>
  <table>
    <caption style="margin-bottom: 5px; font-weight: bold; ">CSIT-4th Semester Routine-2078
    Batch</caption>
    <thead>
      <tr>
        <th>Time & Day</th>
        <th>6:30-7:30</th>
        <th>7:30-8:30</th>
        <th>8:30-9:30</th>
```

B
R
E
A
K

```
<th></th>
<th>10:00-11:00</th>
<th>11:00-12:00</th>
</tr>
</thead>
<tbody>
<tr>
  <td class="day">Sunday</td>
  <td rowspan="6">AI</td>
  <td rowspan="6">DBMS</td>
  <td rowspan="2">OS</td>
  <td rowspan="6" id="break">
    <pre>
      </pre>
    </td>
  <td rowspan="4">CN</td>
  <td rowspan="4">PROJECT</td>
</tr>
<tr>
  <td class="day">Monday</td>
</tr>
<tr>
  <td class="day">Tuesday</td>
  <td rowspan="4">TOC</td>
</tr>
<tr>
  <td class="day">Wednesday</td>
</tr>
<tr>
  <td class="day">Thursday</td>
  <td rowspan="2">OS</td>
  <td rowspan="2">CN</td>
</tr>
<tr>
  <td class="day">Friday</td>
</tr>
</tbody>
</table>
</body>
</html>
```

OUTPUT:

File D:/lab-report/index.html

CSIT-4th Semester Routine-2078 Batch							
Time & Day	6:30-7:30	7:30-8:30	8:30-9:30		10:00-11:00	11:00-12:00	
Sunday	AI	DBMS	OS	B R E A K	CN	PROJECT	
Monday							
Tuesday			TOC				
Wednesday							
Thursday							
Friday						OS	CN

LAB-2

CREATE A PAYMENT METHOD SELECTION CARD / CARDS USING THE DESIGN PROVIDED IN THE FIGMA.

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Payment Card</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <section class="form">
    <div class="container">
      <h1>Payment Method</h1>
      <div class="paypal">
        <div>
          <input type="radio" name="payment" id="paypal-method"><label for="paypal-
method">Paypal</label>
        </div>
        
      </div>
      <div class="mastercard">
        <div>
          <input type="radio" name="payment" id="mastercard-method"><label
for="mastercard-method">Mastercard</label>
        </div>
        
      </div>
      <div class="visa">
        <div>
          <input type="radio" name="payment" id="visa-method"><label for="visa-
method">Visa</label>
        </div>
```

```
        
    </div>
```

```
    </div>
</section>
</body>
</html>
```

CSS:

```
.container{
  border-radius: 10px;
  padding: 24px;
  border: 1px solid #dad4d4;
  display: flex;
  flex-direction: column;
  gap: 20px;
  width: 40%;
  box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;
}


.paypal, .mastercard, .visa{
  display: flex;
  justify-content: space-between;
  gap: 10px;
}
.paypal img, .mastercard img, .visa img{
  width: 70px;
}
```

OUTPUT:


← → ↻ 📄 127.0.0.1:5500/index.html

Payment Method


☐ Paypal



☐ Mastercard



☒ Visa



LAB-3

WRITE AN HTML AND CSS CODE TO DISPLAY YOUR COLLEGE IDENTITY CARD ON A WEB PAGE USING MULTIPLE HTML TAGS.

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Id Card</title>
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.5.2/css/all.min.css" integrity="sha512-
SnH5WK+bZxgPHs44uWIX+LLJAJ9/2PpPKZ5QiAj6Ta86w+fsb2TkcmfRyVX3pBnMFCv7o
QPJkl9QevSCWr3W6A==" crossorigin="anonymous" referrerpolicy="no-referrer" />
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    
    <div class="subheader">
      <div class="location">
        <span>Mitrapark, Chabahil, Kathmandu</span>
      </div>
      <div class="contact">
        <span>4588464, 4579017, 4590670</span>
      </div>
    </div>
  </header>
  <main>
    <div class="main-section">
      
      <figure>
        
        <!--  -->
        <figcaption>Authorized Sign.</figcaption>
      </figure>
```

```

    <div id="id-card">
        <p id="p1">Student</p>
        <p id="p2"><span>ID</span>Card</p>
    </div>
</div>

<div class="student-info">
    <h4>ANUP ADHIKARI</h4>
    <div class="student-info-content">
        <span class="key">Level</span>
        <span>:CSIT-5th Semester</span>
    </div>
    <div class="student-info-content">
        <span class="key">Faculty</span>
        <span>:Science & Technology</span>
    </div>
    <div class="student-info-content">
        <span class="key">Address</span>
        <span>:GYANESHWOR</span>
    </div>
    <div class="student-info-content">
        <span class="key">contact</span>
        <span>:9845237788</span>
    </div>
    <div class="student-info-content">
        <span class="key">Validity</span>
        <span>:30th Ashad 2081</span>
    </div>

</div>
</main>
<hr>

<footer>
    <p>www.texasintl.edu.np</p>
</footer>

</body>
</html>

```

CSS:

```

*{
    box-sizing: border-box;

```



```
padding: 0;
margin: 0;
}
```

```
body{
  min-width: 250px;
  width: 20%;
  border-radius: 15px;
  margin: 50px auto;
  box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;
}
```

```
h4{
  color: #fb6d07;
  text-align: center;
  margin: 5px;
}
```

```
#logo{
  width: 100%;
}
```

```
.subheader{
  text-align: center;
  background-color: rgb(38, 83, 196);
  color: #ffffff;
  font-size: small;
  padding: 5px;
}
```

```
.main-section{
  display: grid;
  grid-template-columns: repeat(3, 3fr);
  position: relative;
}
```

```
#qr-code{
  width: 60px;
  height: 60px;
  margin: 55px 0 0 5px;
}
```

```
#student-photo{
  width: 100px;
  margin-top: 10px;
```

```
border-top-right-radius: 15px;
border-bottom-left-radius: 15px;
}
```

```
#signature{
width: 80px;
position: relative;
bottom: 20px;
}
```

```
figcaption{
font-size: 10px;
font-weight: bold;
text-align: center;
}
```

```
#id-card{
display: flex;
margin: 10px 10px 0 0;
position: relative;
color: rgb(38, 83, 196);
}
```

```
#id-card #p1 {
transform: rotate(-90deg);
position: absolute;
top: 20px;
left: -5px;
font-style: normal;
font-family: sans-serif;
}
```

```
#id-card #p2 {
position: absolute;
top: 2px;
left: 30px;
font-weight: bolder;
font-size: 20px;
font-family: sans-serif;
}
```

```
#id-card span{
display: block;
font-weight: bolder;
font-size: 25px;
```

```
    text-align: center;
}

.student-info{
    padding: 0 20px ;
    display: flex;
    flex-direction: column;
    gap: 5px;
}

.student-info-content{
    display: flex;
    gap: 10px;
    font-size: 10px;
    font-weight: bold;
    color: rgb(38, 83, 196);
    opacity: 0.8;
}

.key{
    width: 40px;
}

footer p{
    background-color: rgb(38, 83, 196);
    padding: 2px;
    color: #fff;
    text-align: center;
    font-size: 8px;
    margin-top: 0.5px;
    border-bottom-left-radius: 10px;
    border-bottom-right-radius: 10px;
}

hr{
    border-top: 2px solid rgb(255, 3, 171);
}
```

OUTPUT:



LAB-4

CREATE AN HTML SIGNUP FORM WITH FIELDS NAME, EMAIL, PASSWORD, AND AGE, VALIDATE THE FORM USING JAVASCRIPT. WRITE FUNCTIONS TO VALIDATE EACH OF THE ELEMENTS.

- A. ALL THE FIELDS SHOULD NOT BE EMPTY.**
- B. THE EMAIL ADDRESS SHOULD BE A VALID EMAIL,**
- C. THE PASSWORD SHOULD BE OF LENGTH AT LEAST 6.**
- D. THE AGE SHOULD BE BETWEEN 8 AND 60.**

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Signup Form</title>
  <link rel="stylesheet" href="styles.css">
  <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=Poppins:ital,wght@0,100;0,200;0,300;0,400;0,500;0,600;0,700;0,800;0,900;1,100;1,200;1,300;1,400;1,500;1,600;1,700;1,800;1,900&family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;0,900;1,100;1,300;1,400;1,500;1,700;1,900&display=swap" rel="stylesheet">
</head>
<body>
  <section>
    <form onsubmit="handleSubmit()">
      <h1>Sign Up</h1>

      <label for="fullName">Name: </label>
      <input type="text" id="fullName">

      <label for="email">Email: </label>
      <input type="email" id="email">

      <label for="password">Password: </label>
      <input type="password" id="password">

      <label for="age">Age: </label>
      <input type="Number" id="age">
      <button type="submit">Submit</button>
    </form>
```

```
</section>
<script src="script.js"></script>
</body>
</html>
```

CSS:

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

section{
  display: flex;
  flex-direction: column;
  align-items: center;
}

form{
  margin-top: 50px;
  display: flex;
  flex-direction: column;
  gap: 10px;
  box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;
  padding: 20px;
  min-width: 250px;
  width: 25%;
  border-radius: 10px;
  font-family: "Roboto", sans-serif;
  font-weight: 400;
  font-style: normal;
}

h1{
  text-align: center;
}

input{
  height: 35px;
  outline: none;
}

label{
  font-size: 20px;
}

button{
  width: 30%;
  padding: 10px;
```

```
border-radius: 5px;
border: none;
margin: 0 auto;
background-color: black;
color: rgb(255, 255, 255);
}
```

JavaScript:

```
function handleSubmit() {
  const fullName = document.getElementById('fullName').value;
  const email = document.getElementById('email').value;
  const password = document.getElementById('password').value;
  const age = document.getElementById('age').value;

  // Check if any field is empty
  if (fullName === "" || email === "" || password === "" || age === "") {
    alert("All inputs are required");
    return; // Prevent form submission
  }

  // Email validation
  let pattern = /^[A-Za-z0-9._%+-]+@[A-Za-z0-9.-]+\.[A-Za-z]{2,}$/;
  if (!pattern.test(email)) {
    alert("Enter a valid email");
    return; // Prevent form submission
  }

  // Password length check
  if (password.length < 6) {
    alert("Password length should be greater than 6 characters");
    return; // Prevent form submission
  }

  // Age validation
  if (age < 8 || age > 60) {
    alert("Age should be between 8 and 60");
    return; // Prevent form submission
  }

  // If all validations pass
  alert("Form submitted successfully!");
}
```

OUTPUT:

Sign Up

Name:

Email:

Password:

Age:

Submit

127.0.0.1:5500 says
All inputs are required

OK

Name:

Email:

Password:

Age:

Submit

127.0.0.1:5500 says
Password length should be greater than 6 characters

OK

Name:

Email:

Password:

Age:

Submit

127.0.0.1:5500 says
Age should be between 8 and 60

OK

Name:

Email:

Password:

Age:

Submit

LAB-5

DEVELOP AND DEMONSTRATE THE USAGE OF INLINE, INTERNAL, AND EXTERNAL STYLE SHEETS USING CSS.

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Brand</title>
  <link rel="stylesheet" href="style.css">

  <!-- Internal CSS -->
  <style>
    .main-container{
      margin: 10px auto;
      min-width: 300px;
      width: 25%;
      border: 1px solid #ffffff;
      border-radius: 10px;
      background-color: #ffffff;
      padding: 20px;
      display: flex;
      flex-direction: column;
      gap: 20px;
      box-shadow: rgba(0, 0, 0, 0.24) 0px 3px 8px;
    }
  </style>
</head>

<body>
  <section>
    <div class="main-container">

      <!-- Inline CSS -->
      <h1 style="text-align: center;">Brand</h1>

      <div class="brand-wrapper">
        <div class="brand">
          <div>
            
            <span>Adidas</span>
```






```
</div>
  <span class="amount">2920</span>
</div>
<div class="brand">
  <div>
    
    <span>The North Face</span>
  </div>
  <span class="amount">924</span>
</div>
<div class="brand">
  <div>
    
    <span>Nike</span>
  </div>
  <span class="amount">844</span>
</div>
<div class="brand">
  <div>
    
    <span>Vans</span>
  </div>
  <span class="amount">675</span>
</div>
<div class="brand">
  <div>
    
    <span>Puma</span>
  </div>
  <span class="amount">320</span>
</div>
</div>
</div>
</section>
</body>
</html>
```

EXTERNAL CSS

```
.brand-wrapper{
  max-height: 200px;
  overflow-y: scroll;
}
.brand{
  display: flex;
  align-items: center;
  gap: 5px;
  justify-content: space-between;
  padding: 5px;
  margin-left: 5px;
}
.brand div{
  display: flex;
  align-items: center;
  gap: 10px;
}
.brand img{
  width: 40px;
  border-radius: 50%;
}
.amount{
  background-color: #f2eded;
  border-radius: 5px;
  padding: 5px 7px;
}
.brand:hover{
  background-color: #cef7f7;
  padding: 5px;
  border-radius: 5px;
  opacity: 0.6;
  cursor: none;
}
```

OUTPUT:



Brand		
	Adidas	2920
	The North Face	924
	Nike	844
	Vans	675
	Puma	675

LAB-6

WRITE A JAVASCRIPT SCRIPT TO CREATE A FUNCTION THAT WILL TAKE A VALUE AND STORE THEM IN COOKIES WHICH NEED TO EXPIRE IN A CERTAIN TIME. ALSO PRINT THE RESULT IN THE CONSOLE WINDOW.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    // Function to set a cookie with an expiration time in days
    function setCookie(cookieName, cookieValue, expiryDays) {
      // Create a date object for the current time
      let date = new Date();

      // Set the expiration time in milliseconds (expiryDays * 24 hours * 60 minutes * 60 seconds *
      1000 milliseconds)
      date.setTime(date.getTime() + (expiryDays * 24 * 60 * 60 * 1000));

      // Convert the expiration date to UTC string
      let expires = "expires=" + date.toUTCString();

      // Set the cookie with the name, value, expiration date, and path (path=/ makes it accessible
      throughout the domain)
      document.cookie = `${cookieName}=${cookieValue}; ${expires}; path=/`;
    }

    // Function to get the value of a cookie by its name
    function getCookieByName(cookieName) {
      // Add '=' to the cookie name to form a search pattern
      let name = cookieName + "=";

      // Get all cookies as a string and split them into an array
      let cookies = document.cookie.split(';');

      // Loop through each cookie to find the one that matches the name
      for (let i = 0; i < cookies.length; i++) {
        let cookie = cookies[i].trim();

        // Check if the current cookie starts with the search pattern
        if (cookie.indexOf(name) === 0) {
```

```
        return cookie.substring(name.length, cookie.length);
    }
}

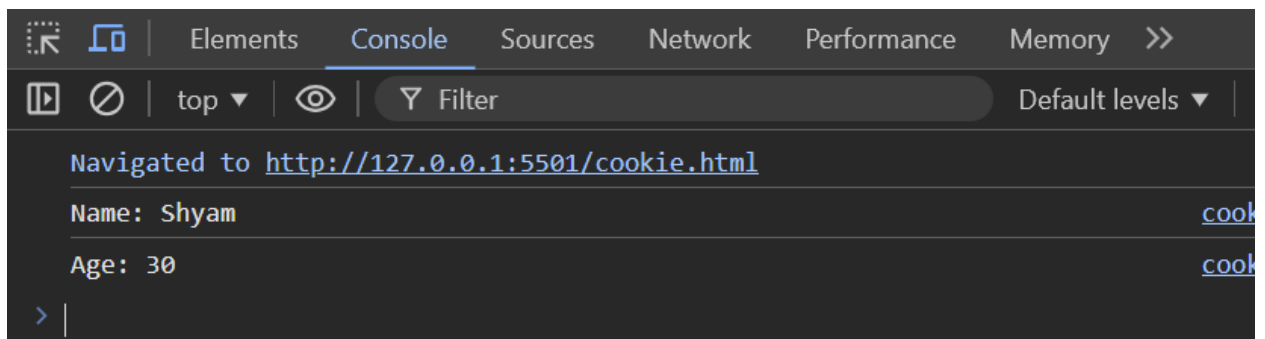
// Return null if the cookie is not found
return null;
}

// Set cookies with an expiration time
setCookie('name', 'Shyam', 7);
setCookie('age', '30', 6);

// Get and print the values of the cookies in the console
console.log('Name:', getCookieByName('name'));
console.log('Age:', getCookieByName('age'));
</script>
</body>

</html>
```

OUTPUT:



LAB-7

WRITE A JS SCRIPT TO DETECT THE FOLLOWING EVENTS:

A. USER CLICKED A DIV

B. USER SCROLLED THROUGH THE PAGE

C. USER PRESSED THE LETTER 'A' IN THE KEYBOARD

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <section >
    <h1>Javascript Event</h1>
    <p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Tempore sint odio saepe eos
alias dignissimos ea ex at! Maxime quam, veniam magnam totam distinctio reprehenderit in
enim nemo cumque asperiores quis earum perferendis fuga, excepturi dolores sunt. Nihil
distinctio, delectus pariatur cum aut accusantium! Odio quis eligendi ab ducimus possimus
voluptatum quo unde reiciendis sit beatae eveniet, pariatur officiis laboriosam tempora sequi
atque illum, ut delectus molestiae rerum molestias voluptatem nihil. Unde doloribus
consequuntur ducimus itaque, excepturi odio laborum illum ipsam qui commodi fugiat fuga
aspernatur harum ut quam sapiente dolores numquam minima? Exercitationem ipsum dicta
magni, commodi praesentium voluptatibus.</p>

    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Laborum eveniet aspernatur
iure. Quos expedita vitae dolore minima iusto ipsum aspernatur dignissimos. Unde, est amet
quod ab iste a illum. Harum error blanditiis maxime accusamus sint? Eaque maiores voluptate
animi eos excepturi hic id assumenda voluptatem doloremque! Hic recusandae impedit
accusantium deserunt quae exercitationem fuga voluptatum, nihil suscipit esse, est magni ad velit
consectetur natus quidem similique. Neque repellendus qui dolorum eveniet fugiat ad
consequatur, esse, quia aspernatur soluta facilis accusantium minus quibusdam recusandae.
Repellendus voluptate rem, facere provident unde modi asperiores placeat earum, quod vero
harum corporis in distinctio perspiciatis tempora accusamus aliquid! Necessitatibus, autem quos
esse voluptatum libero accusamus fugiat eligendi quas officia soluta aut enim beatae quam
explicabo natus, dicta tempora corporis fugit aliquam officiis ullam. Recusandae quo nemo ad
officia quia illo beatae, fugiat eaque temporibus reiciendis in quos, voluptas, impedit cumque
ducimus doloribus. Adipisci minima, veniam facere delectus vitae ipsum doloribus odit ut eos!
Quos, at! Maxime, quae in. Optio quasi minima saepe nihil laboriosam cum eos laudantium
ratione quidem maiores voluptas delectus esse pariatur consequuntur aperiam, officia culpa
aliquam eligendi iure illum quia adipisci distinctio! Vero, rem ea expedita quam cum dignissimos
qui deleniti labore?</p>
```

<p>Lorem ipsum dolor, sit amet consectetur adipisicing elit. Perferendis a aspernatur doloribus cum incidunt accusamus fuga, natus vero debitis ducimus unde nobis ipsum fugiat quam cupiditate laboriosam. Rerum quia cum hic tempore doloremque natus error a quidem. Beatae expedita animi quod nihil molestias iste, dolor aut cumque minima quidem. Delectus, est! Ad sint quidem aperiam, culpa voluptatibus qui quam ullam blanditiis eum, ab officia inventore accusamus, facere consequuntur vitae! Magni assumenda illo dolores itaque labore aliquid inventore pariatur tempore nesciunt? Ex sed, maiores aspernatur dolorum sit delectus deserunt aut totam exercitationem culpa quos fuga, doloribus esse? Atque vel esse quisquam animi totam numquam aliquid, et repellendus maxime distinctio voluptates amet, iure blanditiis quae laudantium repudiandae cum sed deserunt officia quod explicabo est accusantium accusamus! Atque amet rem minus laborum ea temporibus praesentium debitis asperiores corrupti, perferendis laudantium itaque! Fuga eos voluptatum inventore, accusamus maxime delectus quod accusantium enim totam necessitatibus iste alias facere ipsa odit voluptates quasi quo odio molestiae vero modi laborum mollitia at! Eligendi, rem! Eum rem autem dolores architecto. Quam sit esse nisi quo id! Explicabo itaque minima voluptatum, porro tempore, veritatis officiis, provident quisquam perspiciatis ullam illo facilis ipsum! Ex nobis sapiente voluptates dicta temporibus recusandae.

</p>

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<div id="clickDiv">Click Here</div>

</section>

<script src="event.js"></script>

</body>

</html>

JavaScript:

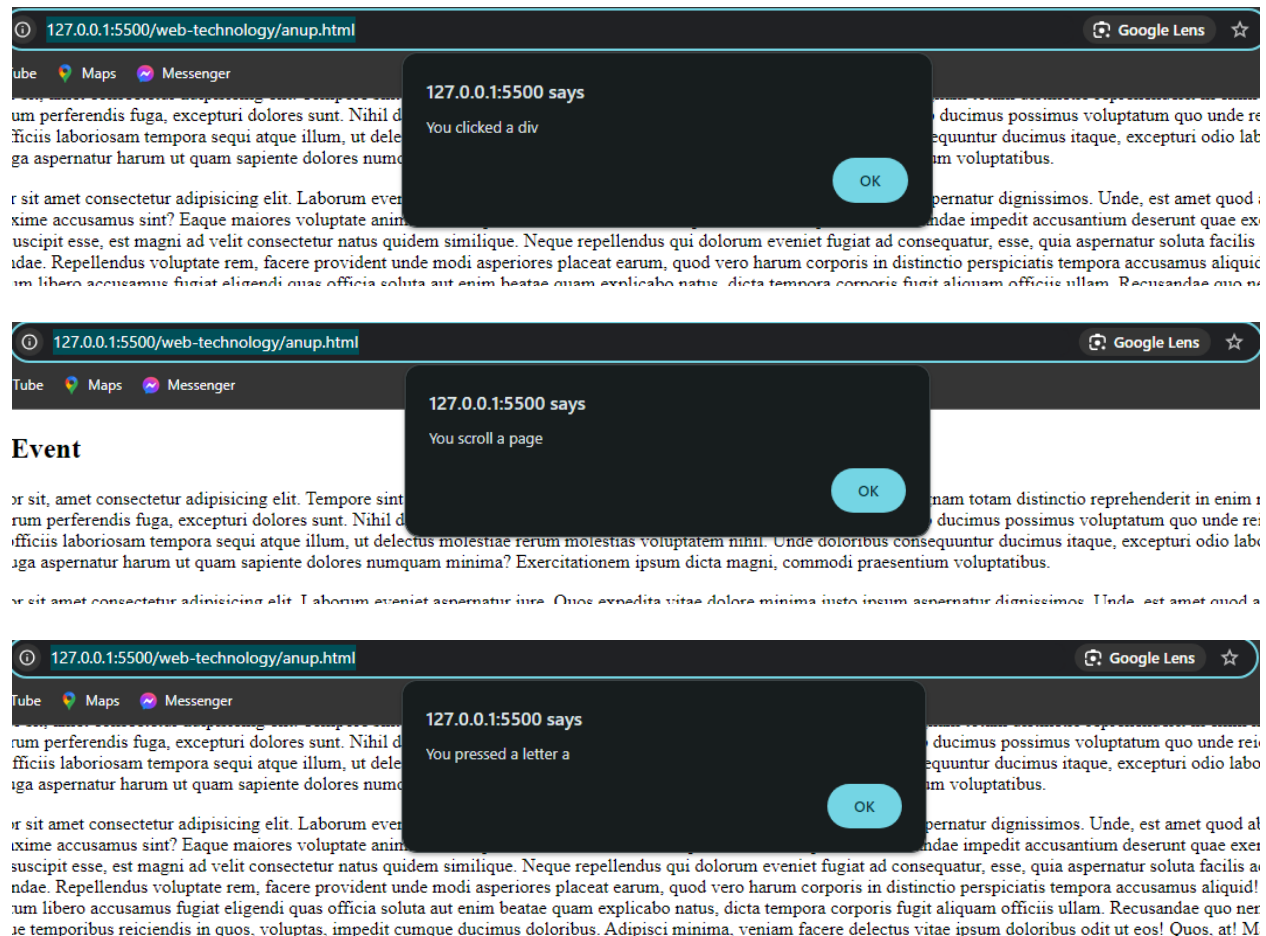
```
const clickedDiv = document.getElementById('clickDiv');
```

```
clickedDiv.addEventListener('click', () => {  
    alert("You clicked a div");  
})
```

```
window.addEventListener('scroll', () => {  
    alert("You scroll a page");  
})
```

```
document.addEventListener('keydown', (e) => {  
    if(e.key === 'A' || e.key === 'a'){  
        alert("You pressed a letter " + e.key);  
    }  
})
```

OUTPUT:

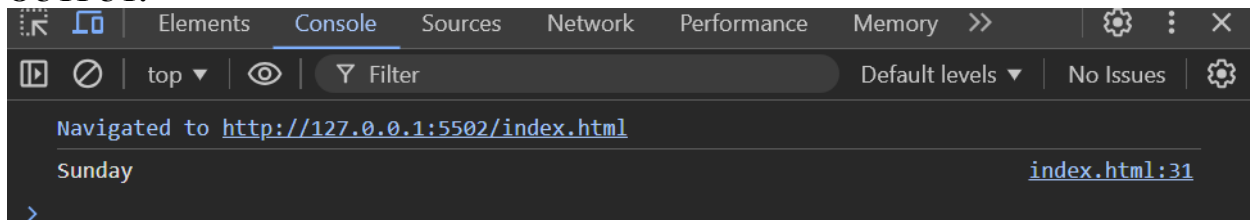


LAB-8

CREATE A JAVASCRIPT PROGRAM THAT USES A SWITCH CASE TO DETERMINE AND DISPLAY THE CURRENT DAY OF THE WEEK.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Day of week</title>
</head>
<body>
  <script>
    function getDayOfWeek(day){
      switch(day){
        case 0:
          return "Sunday";
        case 1:
          return "Monday";
        case 2:
          return "Tuesday";
        case 3:
          return "Wednesday";
        case 4:
          return "Thursday";
        case 5:
          return "Friday";
        case 6:
          return "Saturday";
        default:
          return "Not a day of week";
      }
    }
    console.log(getDayOfWeek(new Date().getDay()));
  </script>
</body>
</html>
```

OUTPUT:



LAB-10

SHOW XML REPRESENTATION (DTD) OF A BOOKSTORE WITH INFORMATION ON AT LEAST TWO BOOKS.

DTD:

```
<!DOCTYPE bookstore[
    <!ELEMENT bookstore(book+)>
    <!ELEMENT book(title, author, year, price)>
    <!ELEMENT title(#PCDATA)>
    <!ELEMENT author(#PCDATA)>
    <!ELEMENT year(#PCDATA)>
    <!ELEMENT price(#PCDATA)>
]>
```

XML:

```
<?xml-stylesheet type="text/xsl" href="book.xsl"?>
<bookstore location="nepal">
    <book>
        <title>The Power of Now</title>
        <author>Eckhart Tolle</author>
        <year>1997-10-06</year>
        <price>14.95</price>
    </book>
    <book>
        <title>Harry Potter and the Sorcerer's Stone</title>
        <author>J.K. Rowling</author>
        <year>1997-06-26</year>
        <price>24.95</price>
    </book>
</bookstore>
```

LAB-9

CREATE A STUDENT FORM AND STORE THE INDIVIDUAL VALUES USING PHP AND MYSQL.

HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Student Form</title>
  <style>
    body{
      max-width:700px;
      margin:auto;
    }
    form{
      display: grid;
      gap: 20px;
    }
  </style>
</head>
<body>
  <form action="/formHandler.php" method="POST">
    <input type="text" placeholder="Enter first Name" name="fName">
    <input type="text" placeholder="Enter Last Name" name="lName">
    <input type="number" placeholder="Enter roll no" name="rollno">
    <input type="number" placeholder="Enter age" name="age">
    <button type="submit">Submit</button>
  </form>
</body>
</html>
```

PHP:

```
<?php
function validate($val){
    $validateValue = handleTrim($val);
    $validateValue = sanitize($validateValue);
    $validateValue = handleSlashes($validateValue);

    return $validateValue;
}

function handleTrim($val){
    $sanitizedVal = trim($val);
    return $sanitizedVal;
}

function sanitize($val){
    $sanitizedVal = htmlspecialchars($val);
    return $sanitizedVal;
}

function handleSlashes($val){
    $sanitizedVal = stripslashes($val);
    return $sanitizedVal;
}

if($_SERVER['REQUEST_METHOD'] === "POST"){
    $first_name = validate($_POST['fName']);
    $last_name = validate($_POST['lName']);
    $age = validate($_POST['age']);
    $roll_no = validate($_POST['rollno']);

    $connection = new mysqli("localhost", "root", "");
    if($connection -> connect_error){
        die('Connection Failed !!!');
    }

    else{
        echo "Connection Successful";
    }
    $sql = 'CREATE DATABASE IF NOT EXISTS student';
    //actual connection starts here
    if($connection->query($sql) == true){
        echo "DATABASE CREATED SUCCESSFULLY!!";
    }
    else{
```

```

        echo "FAILED TO CREATE DATABASE!!!";
    }

    //creating new table inside a db
    $table_sql = "CREATE TABLE IF NOT EXISTS studentDetails(
        id INT(6) UNSIGNED AUTO_INCREMENT PRIMARY KEY,
        fName VARCHAR(30) NOT NULL,
        lName VARCHAR(30) NOT NULL,
        roll VARCHAR(10),
        AGE INT(10)
    )";

    if($connection1 -> query($table_sql) == true){
        //echo "TABLE CREATED SUCCESSFULLY!!!";
        $addition_sql=" INSERT INTO studentdetails(fName,lName,roll,age) VALUES
('$first_name','$last_name','$roll_no','$age')";
        if($connection1 -> query($addition_sql) == true){
            echo "VALUES ADDED TO TABLE student";
        }
    }

    else{
        echo "FAILED TO CREATE TABLE!!!";
    }
}

```

OUTPUT:

http://localhost/php/studentForm.php ☆

Anup

Adhikari

4

21

Submit

Extra options

	id	fname	lname	roll	age
<input type="checkbox"/>	1	Anup	Adhikari	4	21

☐ Check all
 With selected:
 ☐ Edit
 ☐ Copy
 ☐ Delete
 ☐ Export