Practical 11

Question: Create a web page to show all hyperlinks with followingspecification:
  1.Default color is pink.
   2.Active color is blue.
   3.Visited color is Green.
   4.Hyperlink should be without underline.

SOURCE CODE:

```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>Css 1</title>
</head>
<style>
   a:default{
      color: pink;
   }
   a:visited{
      color: green;
   }
   a:active{
      color: blue;
   }
   a{
      text-decoration: none;
      display: block;
      font-size: 50px;
   }
</style>
<body>
   <a href="/"> Link 1 ..</a>
   <a href="../../MOOCPPT.pptx"> Link 2 ..</a>
   <a href="../../Abhishek Sindhwal.mp4"> Link 3 ..</a>
</body>
</html>
```

Link 1 ..

Link 2 ..

Link 3 ..

Practical 12

Question: Create Box Shadow and text Shadow using CSS3.

SOURCE CODE:

```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>Css 2</title>
</head>
<style>
    a{
        text-decoration: none;
        display: block;
        font-size: 50px;
        text-shadow: 5px 5px 10px black;
    }
    div{
        display: block;
        box-sizing: border-box;
        box-shadow: 5px 5px 10px black;
    }
</style>
<body>
    <div>
        <a href="/"> Link 1 ..</a>
        <a href="../../MOOCPPT.pptx"> Link 2 ..</a>
        <a href="../../Ashish Joshi.mp4"> Link 3 ..</a>
    </div>

</body>
</html>
```

Practical 13

Question: : Create Rounded Corners using css3.

SOURCE CODE:

```
<!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>Css 3</title>
</head>
<style>
    a{
        text-decoration: none;
        display: block;
        font-size: 50px;
    }
    div{
        display: block;
        margin:50px 50px;
        border: 10px solid black;
        border-radius: 50px;
    }
</style>
<body>
    <div>
        <a href="/"> Link 1 ..</a>
        <a href="../../MOOCPPT.pptx"> Link 2 ..</a>
        <a href="../../Ashish Joshi.mp4"> Link 3 ..</a>
    </div>
</body>
</html>
```

OUTPUT

Link 1 ..
Link 2 ..
Link 3 ..

Practical 14

Question: Create a web page to show newspaper layout effects oncontents given in web page (i.e. in multiple columns)

SOURCE CODE:

```html
<html>
<head>
   <title>Newspaper</title>
   <style>
     body{
        background-color: #D4D4D4;
     }
     div{
        column-count: 3;
        column-gap: 5px;
     }
     h1{
        text-align: center;
        margin-bottom: 20px;
     }
   </style>
</head>
<body>
   <h1>Newspaper Layout</h1>
   <div>
     Lorem ipsum dolor sit amet, consectetur adipisicing elit. Velit, aspernatur? Possimus, nisi. Architecto quaerat saepe quod fugiat est repudiandae, unde veniam dolore. Tempora voluptate ipsa animi vitae soluta, quis aperiam laboriosam, dolores sunt odit fugiat ipsam provident ratione unde id? Recusandae nesciunt, optio assumenda temporibus harum architecto minus voluptas dignissimos numquam, voluptates totam repudiandae quod molestias natus, maiores dolore nam commodi! Cum fugit provident dignissimos est voluptatem molestias dolores totam porro perspiciatis. Labore nobis autem dolorem maxime. Doloremque modi, est temporibus molestiae magnam tenetur fuga recusandae neque officia enim numquam ut veritatis incidunt error quisquam, aut facilis, rerum quibusdam et vero! Eum maxime ducimus suscipit ipsam. Optio ratione omnis corporis praesentium ab deleniti provident recusandae perferendis et nam, placeat minus quae magni labore ea quos unde sit molestias repellat. Iusto ullam facilis accusantium consequuntur necessitatibus sit dolorem distinctio sapiente debitis veniam, delectus odit nulla quaerat magni, tempore cumque maiores quae facere nobis. Facere corporis harum sequi esse praesentium quasi, possimus adipisci, unde rem omnis corrupti ducimus deleniti animi aliquam delectus accusamus. Illo, omnis porro. Reprehenderit esse nostrum itaque ipsam neque veniam a nulla tempore mollitia dolore et excepturi, dolores voluptate sunt deleniti quis! Molestiae impedit perferendis inventore, eaque animi aliquam voluptate. Veritatis
   </div>
</body>
</html>
```

Newspaper Layout

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corporis harum sequi esse praesentium quasi, possimus adipisci, unde rem omnis corrupti ducimus deleniti animi aliquam delectus accusamus. Illo, omnis porro. Reprehenderit esse nostrum itaque ipsam neque veniam a nulla tempore mollitia dolore et excepturi, dolores voluptate sunt deleniti quis! Molestiae impedit perferendis inventore, eaque animi aliquam voluptate. Veritatis

Practical 15

Question: Create a web page to show transition effect in such a wayso that elements gradually change from one style to another style.

SOURCE CODE:

```
<!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>Transition Property</title>
</head>
<body>
    <style>
      div {
        width: 100px;
        height: 100px;
        background: red;
        transition: width 2s;
      }

      div:hover {
        width: 300px;
      }
      </style>
      <h1>The transition Property</h1>
      <div></div>

</body>

</html>
```
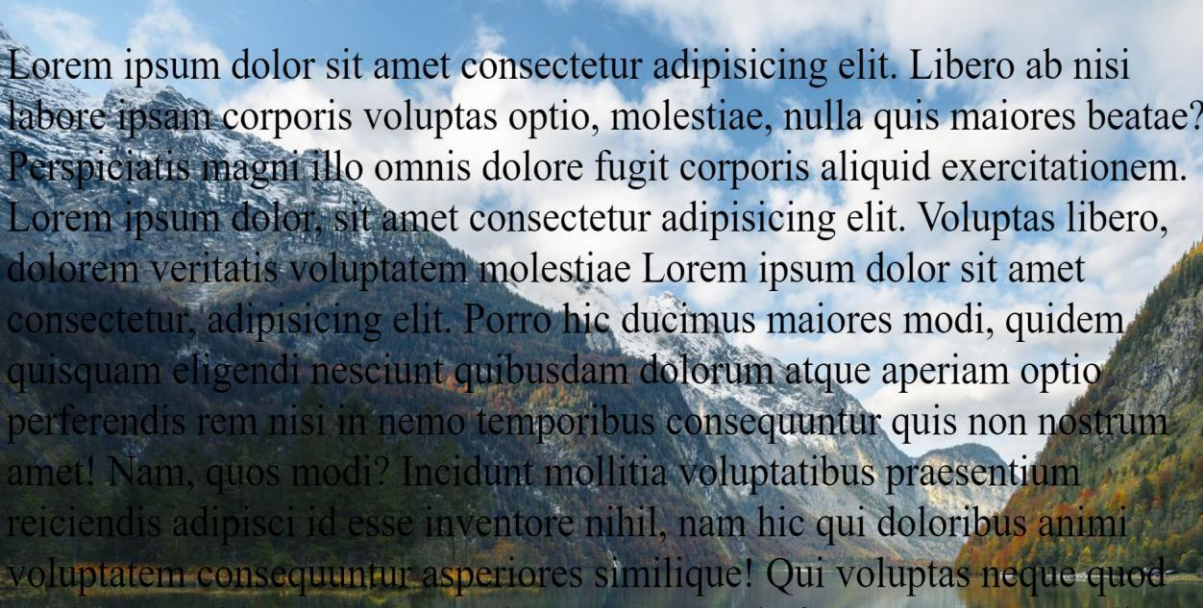
The transitionProperty

The transition Property

Practical 16

Question: Create a web page to show fixed background image (thisimage will not scroll with the rest of the page

SOURCE CODE:

```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>fixed background image</title>
</head>
<style>
  body {
    background-image: url('../Html/image.jpg');
    background-attachment: fixed;
  }
  p{
    font-size: 50px;
  }
 </style>
<body>
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Libero ab nisi labore ipsam corporis voluptas optio,
    molestiae, nulla quis maiores beatae? Perspiciatis magni illo omnis dolore fugit corporis aliquid exercitationem.
    Lorem ipsum dolor, sit amet consectetur adipisicing elit. Voluptas libero, dolorem veritatis voluptatem molestiae
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    hic qui doloribus animi voluptatem consequuntur asperiores similique! Qui voluptas neque quod sed ipsa provident est
    obcaecati ut tempore unde fuga nemo, commodi ab excepturi tenetur repellendus explicabo quam praesentium. Minima
    autem, sit aliquam unde beatae consectetur voluptatem sunt nihil repudiandae asperiores tenetur nesciunt
  </p>
</body>
</html>
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Libero ab nisi labore ipsam corporis voluptas optio, molestiae, nulla quis maiores beatae? Perspiciatis magni illo omnis dolore fugit corporis aliquid exercitationem. Lorem ipsum dolor, sit amet consectetur adipisicing elit. Voluptas libero, dolorem veritatis voluptatem molestiae Lorem ipsum dolor sit amet consectetur, adipisicing elit. Porro hic ducimus maiores modi, quidem quisquam eligendi nesciunt quibusdam dolorum atque aperiam optio perferendis rem nisi in nemo temporibus consequuntur quis non nostrum amet! Nam, quos modi? Incidunt mollitia voluptatibus praesentium reiciendis adipisci id esse inventore nihil, nam hic qui doloribus animi voluptatem consequuntur asperiores similique! Qui voluptas neque quod

Practical 17

Question: Create a web page to position a background image andrepeat the image horizontally or vertically.

SOURCE CODE:

```
<!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>Repear Image Horizontally or verically</title>
</head>
<style>
  body{
    background-image: url('../Html/image.jpg');
    background-repeat: repeat-y;
    background-size: 200px 200px;
  }
</style>
<body>

</body>
</html>
```

Practical 18

Question: Create a web page to resize the background of web page.

SOURCE CODE:

```
<!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>Resize Background of Webpage</title>
</head>
<style>
  body{
    background-image: url('../Html/image.jpg');
    background-size: 500px 400px;
    width: 100%;
    height:650px;
  }
</style>
<body>
</body>
</html>
```
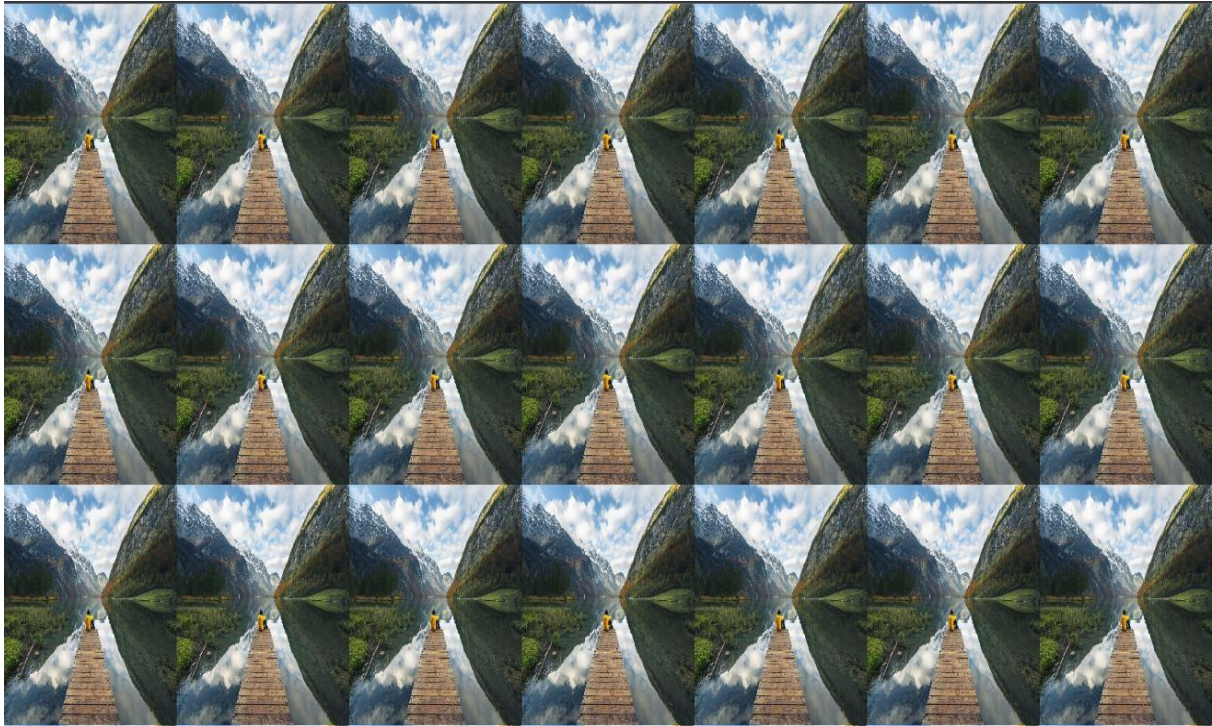
Practical 19

Question: Create a web page to resize the background of web page.

Design a web page using CSS which includes thefollowing:

    1.Use different font styles.

    2.Set background image for both the page and single elements on page.

    3.Control the repetition of image with background-repeat property.

    4.Define style for links as a: link, a: active, a: hover, a: visited.

    5.Add customized cursors for links.

    6.Work with layers.

SOURCE CODE:

```
<!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 page using CSS</title>
</head>
<style>
    body{
        background-image: url("../Html/img2.jpg");
        background-size: 500px 500px;
        background-repeat: repeat-y;
    }
    .heading{
        font-style:oblique;
        text-align: center;
    }
    img{
        width: 300px;
        position: absolute;
        z-index: -1;
    }
    .para{
        position: absolute;
        z-index: 1;
        background-image: url("../Html/image.jpg");
        font-family: 'Trebuchet MS', 'Lucida Sans Unicode', 'Lucida Grande', 'Lucida Sans',
Arial, sans-serif;
    }
    a{
        position: absolute;
        margin: 100px 700px;
        font-size: 20px;
        font-family:'Gill Sans', 'Gill Sans MT', Calibri, 'Trebuchet MS', sans-serif
    }


    a:active{
```

```css
            color: aqua;
            cursor:grab;
        }
    a:link,a:visited{
            color: aquamarine;
            cursor:crosshair;
        }
    a:default{
            color: bisque;
            cursor: col-resize;
        }
    a:hover{
            color: blueviolet;
            cursor: copy;
        }
    .layer1
    {
            font-size: 40px;
            font-family: Cambria, Cochin, Georgia, Times, 'Times New Roman', serif;
            text-decoration: underline;
            position:absolute;
            top:250px;
            left:740px;
            z-index:-1;
        }
    .layer2{
            font-size: 70px;
            font-family:'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande', 'Lucida Sans
Unicode', Geneva, Verdana, sans-serif;
             position:absolute;
             top:220px;
             left:700px;
             z-index:1;
        }

</style>
<body>
    <h1 class="heading">Web page using CSS</h1>
    <p class="para">Lorem ipsum dolor sit amet consectetur adipisicing elit. QuisquamLorem
ipsum dolor sit amet consectetur adipisicing elit. Quisquam repudiandae quae a quam
praesentium itaque deserunt iste ipsa doloremque ducimus rerum dolore velit impedit
accusamus dolor culpa, nobis, nemo repellat!</p>
    <a href="/">Register</a>
    <h1 class="layer1">LAyer 1</h1>
    <h2 class="layer2">LAyer 2</h2>
</body>
</html>
```

OUTPUT

Web page using CSS

Lorem ipsum dolor sit amet consectetur adipisicing elit. QuisquamLorem ipsum dolor sit amet consectetur adipisicing elit. Quisquam repudiandae quae a quam praesentium itaque deserunt iste ipsa doloremque ducimus rerum dolore velit impedit accusamus dolor culpa, nobis, nemo repellat!

Register

Layer 1

Layer 2

Practical 20

Question: Design a web page to validate credit card number according to the below specification. Following tables outlines the major credit cards you might want to validate, along with their allowed prefixesand lengths.

Major Credit Cards, Their Prefixes, and Length

Card Type	Prefixes	Length
Master Card	51-55	16
Visa	4	13,16
American Express	34,37	15

SOURCE CODE:

```
<!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>Document</title>
</head>
<style>
  label,input,select{
  margin-bottom: 10px;;
   }

</style>
<body>
   <form action="#" >
      <label for="type"> Card Type</label>
      <select name="card-type" id="ctype" required>
         <option value="Master">Master Card</option>
         <option value="Visa">Visa</option>
         <option value="AExp">American Express</option>
      </select><br/>
      <label for="card-no">Card Number:</label>
      <input type="text" name="card-no" id="cno" pattern="^[0-9]*" required><br/>
      <input type="submit" value="submit" onclick="validate()">
   </form>
</body>
<script>
```

```
function validate()
{
    var card_type = document.getElementById("ctype").value;
    var card_no = document.getElementById("cno").value;
    var val=false;
    if (card_type === "Master") {
        var pref=parseInt(card_no.substring(0,2));
        if(pref>=51 && pref<=56 && card_no.length ==16)
            val= true;
        else
            val= false;
    }
    else if (card_type === "Visa") {
        var pref=parseInt(card_no.substring(0,1));
        if(pref==4 && (card_no.length ==13 || card_no.length ==16))
            val= true;
        else
            val= false;
    }
    else if(card_type === "AExp")
    {
        var pref=parseInt(card_no.substring(0,2));
        if(pref==34 && pref==37 && card_no.length ==15)
            val= true;
        else
            val= false;
    }
    else
        val= false;

    if(val)
    {
        alert("Your card is valid");
    }
    else
    {
        alert("Your card is not valid");
    }

}
</script>
</html>
```
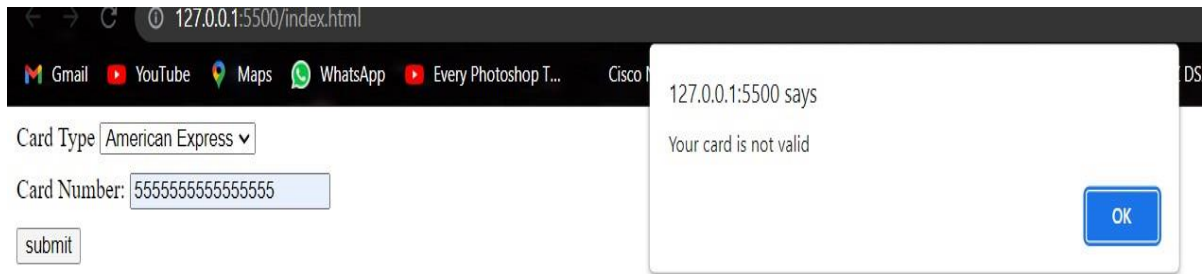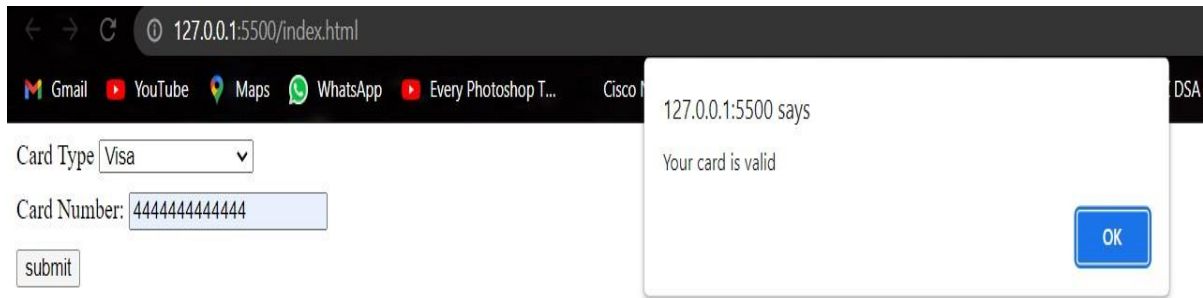
Practical 21

Question: Write a java script to validate the following fields in aregistration page:

- Name (should contains alphabets and the length should not be lessthan 6 characters)
- Password (should not be less than 6 characters)
- E-mail (should not contain invalid addresses)

SOURCE CODE:

```
<!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>Document</title>
</head>
<style>
  label,input,select{
  margin-bottom: 10px;;
  }

</style>
<body>
    <form method="post" onsubmit="show()">
      <label for="name"> Name: </label>
      <input type="text" name="fname" id="name" pattern="^[A-Za-z' 'A-Za-z]{6,}">
      <label for="pass">Password:</label>
      <input type="password" name="password" id="pass" pattern=".{6,}" required><br/>
      <label for="email">E-Mail:</label>
      <input type="email" name="E-mail" id="e-mail" required pattern="[A-Za-z0-9]*[@][A-Za-z]*[.][A-Za-z]*"><br/>
      <input type="submit" value="submit" >
    </form>
</body>
<script>
    function show()
    {
      alert("Form Submitted Successfully");
    }
</script>
</html>
```

OUTPUT

Name: Abhishek   Password: ••••••••

E-Mail: abc@gmail.com

submit

This page says

Form Submitted Successfully

OK

Name: Abhishek   Password: ••

E-Mail: abc@gmail.com

submit

Please match the requested format.

Practical 22

Question: Write a java script program to "Wish a user " atdifferent hours of a day.

SOURCE CODE:

```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>Wish User</title>
</head>
<body>

</body>
<script>
    var date=new Date();
    var hour=date.getHours();
    if(hour>=0 && hour<12)
        alert("Good Morning Sir!!");
    else if(hour>=12 && hour <=16)
        alert("Good Afternoon Sir!!");
    else if(hour>16 && hour<=19)
        alert("Good Evening Sir!!");
    else if(hour>19 && hour<=23)
        alert("Good Night Sir!!");
    console.log(hour);
</script>
</html>
```
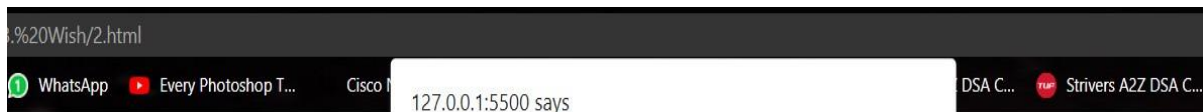
Practical 23

Question: Design a web page that self-modifying itself after everyone minute.

SOURCE CODE:

```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>Refresh</title>
</head>
<style>
    p{
        text-align: center;
        font-size: x-large;
    }
</style>
<body>
    <p id="para">Hello World!!</p>
</body>
<script>
    function Refresh(){
        var arr=["My","name","is"];
        var p=document.getElementById("para");
        var r=Math.floor(Math.random()*arr.length);
        p.innerHTML=arr[r];
    }
    setInterval('Refresh()',60000);
</script>
</html>
```
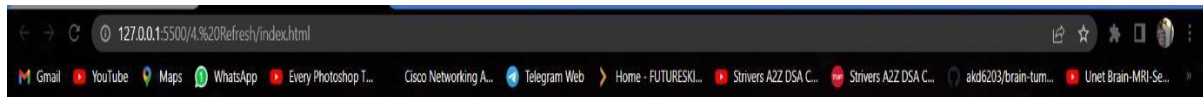
OUTPUT

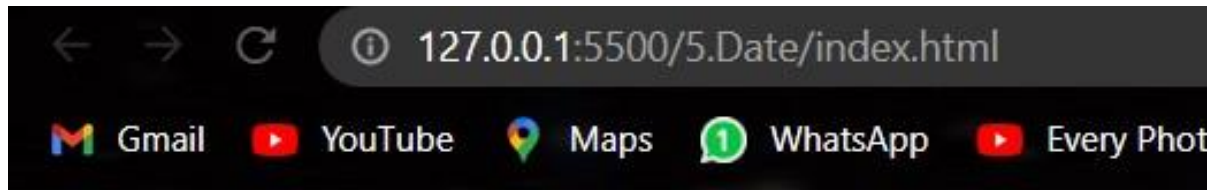Hello World!!

AFTER ONE MINUTE:

is

Practical 24

Question: Write a code for web application, which accepts the birthdate from the user in a textbox and display the day of the week in a message box on the click of a button.

SOURCE CODE:

```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>Show Day of the week</title>
</head>
<style>
    input{
        margin: 5px;
    }
    #btn{
        display: block;
    }
</style>
<body>
    <label for="Birthdate">Birth Date:</label>
    <input type="text" id="bday" placeholder="YYYY-MM-DD">
    <input type="submit" onclick="show()" id="btn">
    <label for="Day of the week">Day of the week: </label>
    <input type="text" name="" id="dow">

</body>
<script>
    function show() {
        var dob=document.getElementById("bday").value;
        var msg=document.getElementById("dow");
        const d = new Date(dob);
        var arr=["Sunday","Monday","Tuesday","Wednesday","Thusrday","Friday","Saturday"];
        msg.value=arr[d.getDay()];
    }
</script>
</html>
```

Birth Date: 2000-04-16

Submit

Day of the week: Sunday

Practical 25

Question: Write a script that inputs a telephone number as a string in the form (555)555-555. The script should use strings method split to extract the area code as token and the last four digits of the phone numbersas a token. Display the area code in one text field and the seven-digit phonenumber in another text field.

SOURCE CODE:

```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>Validate Area Code and Phone Number</title>
</head>
<style>
    input{
        margin: 5px;
    }
</style>
<body>
    <label>Enter Phone number [in the form(555)555-5555]:</label>
    <input type="text" name="phone" id="phone" value="(xxx) xxx-xxxx" size="14" maxlength="14"
onchange="validate()" /><br/>
    <label>Area Code: </label>
    <input type="text" name="area" id="area" size="8"/><br/>
    <label>Number: </label>
    <input type="text" name="telephone" id="telephone" size="8"/>
</body>
<script>
    function validate() {
        var number=document.getElementById("phone").value;
        if (number.charAt(0) != "(" || number.charAt(4) != ")" || number.charAt(5) != " " ||
number.charAt(9) != "-") {
            alert("Invalid Format... Please Enter again!");
            return;
        }
        for (var i = 1; i < 14; i++) {
            if (i==0 || i==4 || i==5 || i==9)
                continue;
            else if(isNaN(number.charAt(i))) {
                alert("Invalid Format... Please Check again!");
                return;
            }
        }
        var areac=number.split(" ");
        document.getElementById("area").value=areac[0];
        var tel=areac[1].split("-");
        document.getElementById("telephone").value=tel.join("-");
    }
</script></html>
```

OUTPUT

Enter Phone number [in the form(555)555-5555]: (323) 453-6785

Area Code: (323)

Number: 453-6785

Practical 26

Question: Create a web page that applies the invert filter to animage if the user moves the mouse over it.

SOURCE CODE:

```
<!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>Invert Filter</title>
</head>
<body>
    <h1>Hover on the Image to invert it.</h1>
    <img onmouseover="invert()" onmouseout="revert()" src="../Html/image.jpg" alt="Ambuja-cement" id="image">
</body>
<script>
    function invert(){
        var img = document.getElementById("image");
        img.style.filter="invert(100%)";
    }
    function revert(){
        var img = document.getElementById("image");
        img.style.filter="invert(0%)";
    }
</script>
</html>
```

Hover on the Image to invert it.
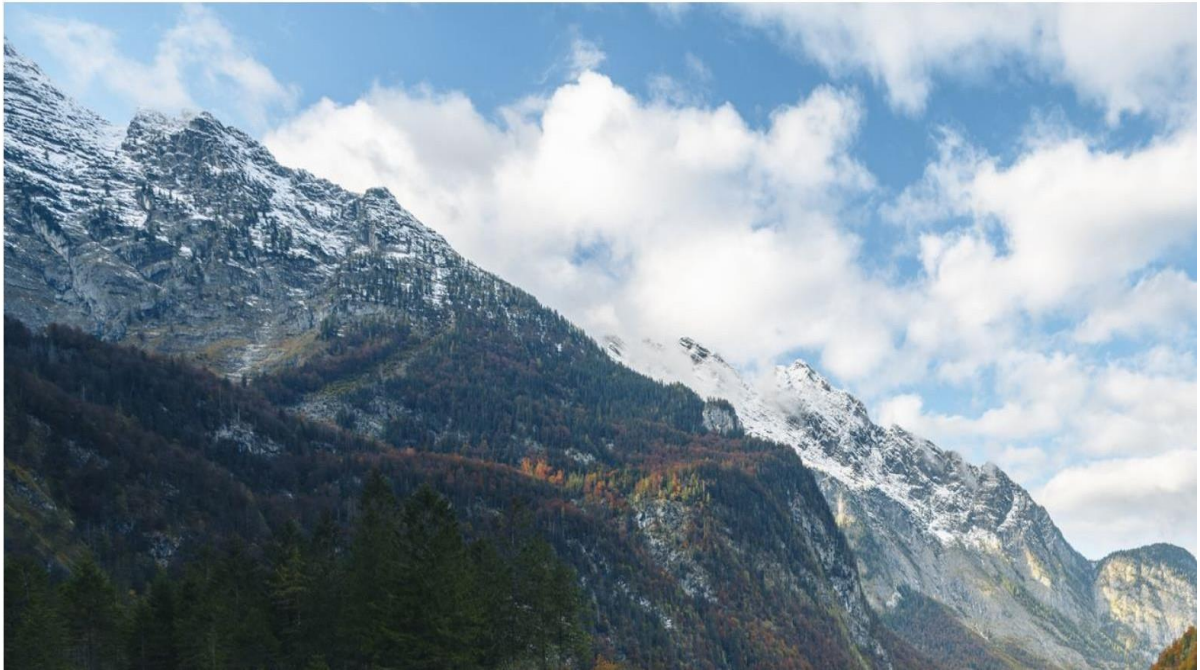
AFTER HOVER:

Hover on the Image to invert it.

Practical 27

Question: Write an XML file which will display the Bookinformation which includes the following:

- Title of the book
- Author Name
- ISBN number
- Publisher name
- Edition
- Price

Write a Document Type Definition (DTD) to validate the above XMLfile.

SOURCE CODE:

XML FILE:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-model href="validate.dtd" type="application/xml-dtd"?>
<Book-info>
   <title>Lord of The Rings</title>
   <author>J K Rowling</author>
   <isbn>458-0-375-19595-8</isbn>
   <publisher-name>Abhishek Sindhwal</publisher-name>
   <edition>3th</edition>
   <price>59.99</price>
</Book-info>
```

DTD FILE:

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT  Book-info (title,author,isbn,publisher-name,edition,price)>
   <!ELEMENT title (#PCDATA)>
   <!ELEMENT author (#PCDATA)>
   <!ELEMENT isbn (#PCDATA)>
   <!ELEMENT publisher-name (#PCDATA)>
   <!ELEMENT edition (#PCDATA)>
   <!ELEMENT price (#PCDATA)>
```

OUTPUT

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<?xml-model href="validate.dtd" type="application/xml-dtd"?>
▼<Book-info>
    <title>Lord of The Rings</title>
    <author>J K Rowling</author>
    <isbn>458-0-375-19595-8</isbn>
    <publisher-name>Abhishek Sindhwal</publisher-name>
    <edition>3th</edition>
    <price>59.99</price>
</Book-info>
```

Practical 28

Question: Display the above XML File as follows:
The contents should be displayed in a block. And the Author names information should be displayed in one color and should be capitalized andin bold. Use your own colors for remaining information. Use CSS for the above purpose.

SOURCE CODE:

```
<!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>XML PARSING</title>
</head>
<style>
   table,th,td,tr{
      border-collapse: collapse;
      border: 1px solid black;
   }
   table td:nth-child(2){
      color: red;
      text-transform: capitalize;
      font-weight: bold;
   }
   td,th{
      padding: 10px;
      text-align: center;
   }

</style>
<body>
   <table id="book-info">
      <tr>
        <th>
           Title
        </th>

        <th id="author">
           Author Name
        </th>
        <th>
           ISBN Number
        </th>
        <th>
           Publisher Name
        </th>
        <th>
           Edition
```

```html
          </th>
          <th>
             Price
          </th>
       </tr>

    </table>
</body>
<script>
    var pars=new DOMParser();
    var xml="<Book-info>"+
       "<title>Lord of The Rings</title>"+
       "<author>ABC </author>"+
       "<isbn>978-0-395-19395-8</isbn>"+
       "<publisher-name>XYZ Publisher</publisher-name>"+
       "<edition>3th</edition>"+
       "<price>59.99</price>"+
    "</Book-info>";
    var tab=document.getElementById("book-info");
    var xmlDoc=pars.parseFromString(xml,"text/xml");
    var row=tab.insertRow(1);
    var cell1=row.insertCell(0);
    var cell2=row.insertCell(1);
    var cell3=row.insertCell(2);
    var cell4=row.insertCell(3);
    var cell5=row.insertCell(4);
    var cell6=row.insertCell(5);
    cell1.innerHTML=xmlDoc.getElementsByTagName("title")[0].childNodes[0].nodeValue;;
    cell2.innerHTML=xmlDoc.getElementsByTagName("author")[0].childNodes[0].nodeValue;
    cell3.innerHTML=xmlDoc.getElementsByTagName("isbn")[0].childNodes[0].nodeValue;
    cell4.innerHTML=xmlDoc.getElementsByTagName("publisher-
name")[0].childNodes[0].nodeValue;
    cell5.innerHTML=xmlDoc.getElementsByTagName("edition")[0].childNodes[0].nodeValue;
    cell6.innerHTML=xmlDoc.getElementsByTagName("price")[0].childNodes[0].nodeValue;
</script>
</html>
```

OUTPUT

Title	Author Name	ISBN Number	Publisher Name	Edition	Price
Lord of The Rings	ABC	978-0-395-19395-8	XYZ Publisher	3th	59.99

Practical 29

Question: Create a Login form having User-Id and Password fields.After submitting the form, match the user-id and password with existing user-id and password. If the user-id and password match a new welcome window should appear.

SOURCE CODE:
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>Login Validate</title>
</head>
<style>
    label,input,select{
     margin-bottom: 10px;;
     }
 </style>
<body>
    <form action="validate.php" method="post">
        <label for="name"> UserName: </label>
        <input type="text" name="uname" id="name" required>
        <label for="pass">Password:</label>
        <input type="password" name="password" id="pass"  required><br/>
        <input type="submit" value="submit" >
    </form>
</body>
</html>
```

Validate.php
```php
<?php
    $u_name=$_POST['uname'];
    $pass=$_POST['password'];
    $conn=new mysqli("localhost","root","","test");
    if($conn->connect_error){
        die("Connection failed. ".$conn->connect_error);
    }
    $sql="select * from testuser where Username='$u_name' and Password='$pass' ";
    $result=$conn->query($sql);
    if($result->num_rows>0)
      echo"Record Matched..... Welcome!";
    else
        echo "No record Found!!!";
    $conn->close();
?>
```

OUTPUT

DATABASE VALUES:

Username	Password
user1	abc@123

Values Not Match:

UserName: user33   Password: •••••

submit

No record Found!!!

Values Matched:

UserName: user1   Password: •••••••

submit

Record Matched..... Welcome!

Practical 30

Question: Create a PHP page to display all the records from PERS table that contain Department Number (field name dno) similar to that ofgiven in list lstdnogiven in interface web browser Screen.

SOURCE CODE:
Pro2.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>Display PERS</title>
</head>
<style>
   label,input,select{
    margin-bottom: 10px;;
    }
 </style>
<body>
   <form action="show.php" method="post">
     <label for="DeptNo">Department Number: </label>
     <input type="text" name="Department" placeholder="Enter Dno">
     <input type="submit" value="Submit">
   </form>
</body>
</html>
```

pro2.php

```
<?php
   $dno=$_POST['Department'];
   $conn=new mysqli("localhost","root","","test");

   if($conn->connect_error){
      die("Connection failed. ".$conn->connect_error);
   }

   $sql="select * from employee where dept= '$dno' ";
   $result=$conn->query($sql);

   if($result->num_rows>0){

      while($row=$result->fetch_assoc()){
```

```php
        echo "Employee ID :".$row['EmpId']." "." "."Employee Name: ".$row['EmpName']."  "." "."Salary: ".$row['Salary']."  "." "."Department Number: ".$row['Dept']."<br>"."<br>";
    }
  }

  else
     echo "No record Found!!!";
  $conn->close();?>
```

OUTPUT

DATABASE VALUES:

EmpId	EmpName	Salary	Dept
E101	ABC	45000	DPT1
E102	BCD	50000	DPT2
E103	CDE	35000	DPT3
E104	DEF	53000	DPT3
E105	EFG	54000	DPT4

Department Number: DPT3   Submit

Employee ID :E103	Employee Name: CDE	Salary: 35000	Department Number: DPT3
Employee ID :E104	Employee Name: DEF	Salary: 53000	Department Number: DPT3

Practical 31

Question: Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the counton web page.

SOURCE CODE:

```php
<?php
  session_start();
  if(isset($_SESSION['views']))
  {
    $_SESSION['views'] = $_SESSION['views'] + 1;
  }
  else{
    $_SESSION['views'] = 1;
  }

  echo "View Count: ".$_SESSION['views'];
?>
```

View Count: 6

Practical 32

Question: Write a PHP program to store current date-time in a COOKIE and display the "Last visited on date-time" on the web page uponreopening of the same page.

SOURCE CODE:

```
<h2>Your Last time Visit was:</h2>
<?php
  date_default_timezone_set("Asia/Kolkata");
  setcookie('LastVisit',date("d/m/Y"." "."h-i-sa"." "."l"));
  if(isset($_COOKIE['LastVisit']))
  {
    $visit=$_COOKIE['LastVisit'];
    echo $visit;
  }
  else
  {
    echo "It's Your First Time Visit...hihi!!";
  }
?>
```

Your Last time Visit was:

It's Your First Time Visit...hihi!!

Your Last time Visit was:

31/05/2023 10-01-12am Wednesday

Practical 33

Question: Using PHP and MySQL, develop a program to accept book information viz. Accession number, title, authors, edition, and publisher from a web page and store the information in a database and tosearch for a book with the title specified by the user and to display the search results with proper headings.

SOURCE CODE:

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>Book Info</title>
</head>
<style>
    table{
        margin: 70px 550px;
    }
    table,tr,td{
        border: 5px solid black;
        border-collapse: collapse;
        padding: 5px;
        text-align: center;
    }
    label,input,select{
     margin-bottom: 10px;;
    }
    h2,h3{
        text-align: center;
    }
 </style>
<body>
    <h2>Book Information and Management System</h2>
    <h3>Enter the Records of a Book</h3>
    <form action="insert.php" method="post">
      <table >
      <tr>
        <td>Enter the Accession Number of the Book: </td>
        <td><input type="text" name="Aname" required></td>
      </tr>
      <tr>
        <td>Enter the title of the Book: </td>
        <td><input type="text" name="title" required></td>
      </tr>
      <tr>
```

```html
        <td>Enter the Author of the Book: </td>
        <td><input type="text" name="auth" required></td>
      </tr>
      <tr>
        <td>Enter the Edition of the Book: </td>
        <td><input type="text" name="ed" required></td>
      </tr>
      <tr>
        <td>Enter the Publisher of the Book: </td>
        <td><input type="text" name="pub" required></td>
      </tr>
      <tr>
        <td></td>
        <td>
         <input type="submit"  value="Submit">
         <input type="reset"  value="Reset">
        </td>
      </tr>
    </table>
  </form>
</body>
</html>
```

Issnsert.php

```php
<?php
  $ano=$_POST['Aname'];
  $tit=$_POST['title'];
  $author=$_POST['auth'];
  $ed=$_POST['ed'];
  $pub=$_POST['pub'];

  $conn=new mysqli("localhost","root","","test");
  if($conn->connect_error)
  {
    die("Connection Establishment Failed!!".$conn->connect_error);
  }
  $quer="Insert into BookDB values('$ano','$tit','$author','$ed','$pub');";
  $result=$conn->query($quer);

  if($result==TRUE)
  {
    echo "Records Entered Successfully!!!"."<br/>";
    echo "<a href='search.html'>Search a Book Here</a> OR ";
    echo "<a href='index.html'>Enter a new Record</a>";
  }
  else
  {
    echo "Error Inserting Records!!!"."<br/>";
```

```php
        echo "<a href='index.html'>Back to Homepage</a>";


    }
    $conn->close();
?>
```

Search.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>Book Info</title>
</head>
<style>
    table{
        margin: 70px 550px;
    }
    table,tr,td{
        border: 5px solid black;
        border-collapse: collapse;
        padding: 5px;
    }
    label{
        margin-left: 500px;
    }
    h2,h3{
        text-align: center;
    }
 </style>
<body>
    <h2>Book Information and Management System</h2>
    <h3>Search a Book</h3>
    <form action="show.php" method="post">
      <label>Enter the title of the Book you want to search: </label>
      <input type="text" name="title" >
      <input type="submit" value="Search" >
    </form>
</body>
</html>
```

show.php

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

<head>
```

```html
    <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>Book Info</title>
</head>
<style>
    table{
        margin-left: 50px;
        margin-bottom: 20px;
    }
    th{
        width: 10%;
    }
    table,tr,td,th{
        border: 5px solid black;
        border-collapse: collapse;
        padding: 5px;
        text-align: center;
    }
    h2,h3{
        text-align: center;
    }
</style>
<body>
    <h2>Book Information and Management System</h2>
    <h3>The Book you Requested for</h3>
        <?php
            $tit = $_POST['title'];

            $conn = new mysqli("localhost", "root", "", "test");
            if ($conn->connect_error) {
                die("Connection Establishment Failed!!" . $conn->connect_error);
            }
            if($tit=='All' || $tit=='all')
            {
                $quer = "select * from BookDB;";
                $result = $conn->query($quer);

                if ($result->num_rows > 0) {?>
                    <table>
                        <tr>
                            <th>Accession Number</th>
                            <th>Title</th>
                            <th>Author</th>
                            <th>Edition</th>
                            <th>Publisher</th>
                        </tr>
                    <?php
                    while($row=$result->fetch_assoc())
                    {?>
                        <tr>
```

```php
                    <td><?php echo $row['ANo']; ?></td>
                    <td><?php echo $row['Title']; ?></td>
                    <td><?php echo $row['Author']; ?></td>
                    <td><?php echo $row['Edition']; ?></td>
                    <td><?php echo $row['Publisher']; ?></td>
                </tr>
            <?php } ?>
            </table>
        <?php
            }
        }
        else
        {
        $quer = "select * from BookDB where Title='$tit' ";
        $result = $conn->query($quer);

        if ($result->num_rows > 0) {
            while($row=$result->fetch_assoc())
            {?>
            <table>
                <tr>
                    <th>Accession Number</th>
                    <th>Title</th>
                    <th>Author</th>
                    <th>Edition</th>
                    <th>Publisher</th>
                </tr>
                <tr>
                    <td><?php echo $row['ANo']; ?></td>
                    <td><?php echo $row['Title']; ?></td>
                    <td><?php echo $row['Author']; ?></td>
                    <td><?php echo $row['Edition']; ?></td>
                    <td><?php echo $row['Publisher']; ?></td>
                </tr>
            </table>
        <?php
            }
        }
        else {
            echo "Is Not Present!!! No Records Found for the Requested Title " . "<br/>";
            echo "<a href='search.html'>Back to Search Page</a>";
        }
    }
        $conn->close();
        echo '<pre>';
        echo "\t<a href='search.html'>Search a Book Here</a>\n \tOR\n\t<a href='index.html'>Enter a
new Record</a>\n";
        echo '</pre>';
    ?>
</body>
</html>
```

OUTPUT

ANo	Title	Author	Edition	Publisher
12345	ABC	XYZ	4th	GEF
25896	BCD	XYY	4th	GEF
12344	EER	JJK	5TH	GED
85642	YYU	TYY	3TH	ABC

Book Information and Management System

Enter the Records of a Book

Enter the Accession Number of the Book:	12345
Enter the title of the Book:	ABC
Enter the Author of the Book:	XYZ
Enter the Edition of the Book:	4th
Enter the Publisher of the Book:	GEF
	Submit Reset

Records Entered Successfully!!!
Search a Book Here OR Enter a new Record

Book Information and Management System

Search a Book

Enter the title of the Book you want to search: [   ] Search

Book Information and Management System

The Book you Requested for

Accession Number	Title	Author	Edition	Publisher
12344	EER	JJK	5TH	GED

Search a Book Here
OR
Enter a new Record