

1. Create a Simple Admission Form for University admission.

[illegible]


```

                                <option value="m">Mumbai</option>
                                <option value="c">Chandigarh</option>

                                </select>
                                <br><br>
                                <label >Course</label>&ensp;&ensp;&ensp;
                                <select name="Course" >
                                    <option >B.tech</option>
                                    <option >M.tech</option>
                                    <option >B.sc</option>
                                </select><br><br>
                                <label >Pincode</label>&ensp;&ensp;
                                <input type="text"><br><br>
                                <label >EmailId</label>&ensp;&ensp;
                                <input type="text"><br><br>
                                <label
>DOB</label>&ensp;&ensp;&ensp;&ensp;
                                <input type="date"><br><br>
                                <label >MobileNo</label>&ensp;
                                <input type="text" maxlength="10"><br><br>
                                <input type="submit" value="Submit Form">
                                <input type="reset">

                                </form>
                            </td>
                        </tr>
                    </table>
                    <form action="example.html" >
                </td>
            </tr>
        </table>
    </body>
</html>

```

S.N	Assignment Submission date:16-Feb-2022
1.	<p>Write a program to implement form in HTML</p> <div> <div>Name</div><div></div> <div>Father Name</div><div></div> <div>Postal Address</div><div></div> <div>Personal Address</div><div></div> <div>Gender</div><div> <input type="radio"/> Male <input type="radio"/> Female </div> <div>City</div><div>Delhi ▾</div> <div>Course</div><div>B.tech ▾</div> <div>Pincode</div><div></div> <div>EmailId</div><div></div> <div>DOB</div><div>dd - mm - yyyy </div> <div>MobileNo</div><div></div> <div>Submit Form</div><div>Reset</div> </div>

2. Write a simple HTML Script to make your Time table.

```
<!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>Time Table</title>
  <style>
    th,
    td {
      border: solid 1px;
    }

    table {
      border: solid 2px;
      border-collapse: collapse;
    }

    td {
      text-align: center;
    }
  </style>
</head>

<body>
  <center>
    <h1>Graphic Era Deemed To be University</h1>
    <h2>Btech VI Semester TimeTable</h2>
    <h2>Section -F</h2>
    <table cellpadding="20px">
      <tr>
        <td></td>
```

<td>9:00 - 9: 55</td>
<td>9:55 - 10:50</td>
<td>11:10- 12:05</td>
<td>12:05- 1:00</td>
<td>1:00 - 1:55</td>
<td>1:55 - 2:50</td>
<td>3:10 - 4:05</td>
<td>4:05 - 5:00</td>

</tr>
<tr>
 <td>Mon</td> | <td>TCS-601
Seminar Hall</td> | <td>TCS-693
Seminar Hall</td> | <td colspan="2">Software Enginnering Lab
Digital Lab- I</td> || <td>Lunch</td> | <td>TCS-604</td> | <td colspan="2">Career Excellence Classes (CEC)</td> | | |

</tr>
<tr>
 <td>Tue</td> | <td>TCS-693</td> | <td>TCS-601</td> | <td>TCS-619</td> | <td>XCS-604</td> | <td>Lunch</td> | <td>LIB</td> | <td colspan="2">Career Excellence Classes (CEC)</td> |

</tr>
<tr>
 <td>Wed</td> | <td>XCS-601
Quant</td> | <td>TCS-604</td> | <td>TCS-601
Soft Skills</td> | <td>TCS-602</td> | <td>Lunch</td> | <td>TCS-693</td> | <td colspan="2">Career Excellence Classes (CEC)</td> |

```

    </tr>
    <tr>
        <td>Thu</td>
        <td colspan="2">Web Development Lab<br><strong>Param Ground
Floor</strong></td>
        <td>TCS-601</td>
        <td>XCS-601<br><strong>(Verbal)</strong></td>
        <td>Lunch</td>
        <td>LIB</td>
        <td colspan="2">Career Excellence Classes (CEC)</td>
    </tr>
    <tr>
        <td>Fri</td>
        <td>TCS-691</td>
        <td>TCS-691</td>
        <td colspan="2">Compiler Design Lab<br><strong>Param Ground
Floor</strong></td>
        <td>LUNCH</td>
        <td>LIB</td>
        <td colspan="2">Career Excellence Classes (CEC)</td>
    </tr>
</table>
</center>
</body>

</html>

```

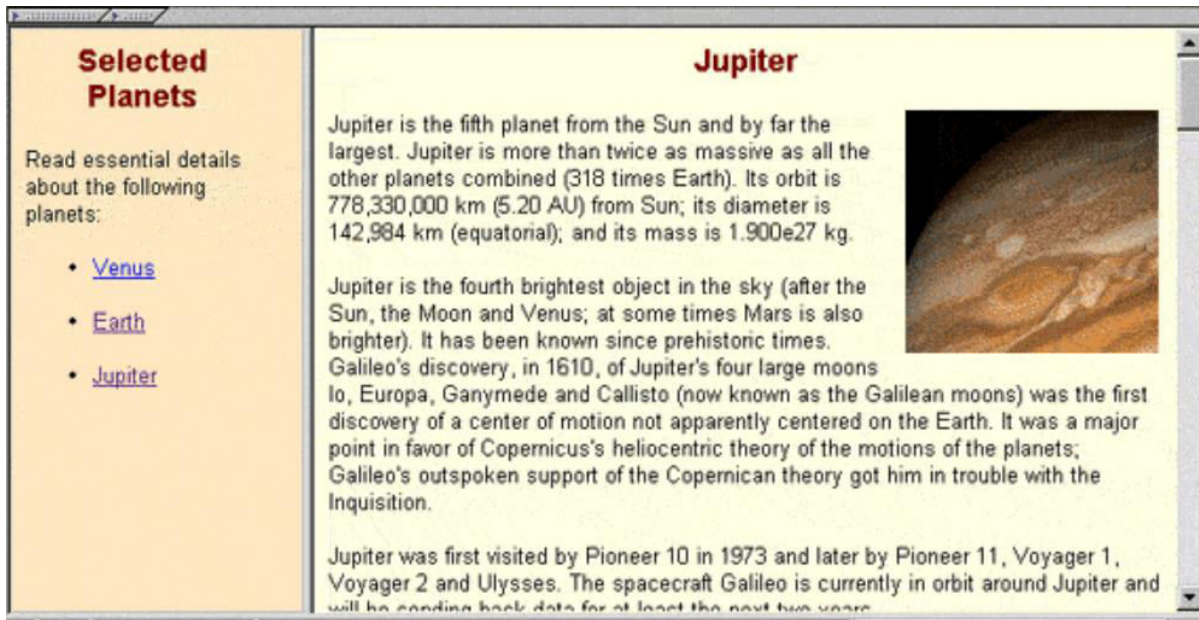
Graphic Era Deemed To be University

Btech VI Semester TimeTable

Section -F

	9:00 - 9: 55	9:55 - 10:50	11:10- 12:05	12:05- 1:00	1:00 - 1:55	1:55 - 2:50	3:10 - 4:05	4:05 - 5:00
Mon	TCS-601 Seminar Hall	TCS-693 Seminar Hall	Software Enginnering Lab Digital Lab- I		Lunch	TCS-604	Career Excellence Classes (CEC)	
Tue	TCS-693	TCS-601	TCS-619	XCS-604	Lunch	LIB	Career Excellence Classes (CEC)	
Wed	XCS-601 Quant	TCS-604	TCS-601 Soft Skills	TCS-602	Lunch	TCS-693	Career Excellence Classes (CEC)	
Thu	Web Development Lab Param Ground Floor		TCS-601	XCS-601 (Verbal)	Lunch	LIB	Career Excellence Classes (CEC)	
Fri	TCS-691	TCS-691	Compiler Design Lab Param Ground Floor		LUNCH	LIB	Career Excellence Classes (CEC)	

3. Write a Program in HTML to implement a frame



1.html

```
<!DOCTYPE html>
<html>

<head>
  <title>Frames</title>
</head>

<frameset cols="20%,80%" noresize="noresize" border="10">
  <frame src="menu.html" name="menu_page">
    <frame src="main.html" name="main_page">
</frameset>

</html>
```

main.html

```
<!DOCTYPE html>
<html>
```



```
<body>
```

```
    <h1>
```

```
        <marquee Scrollamount=20>Select any planet </marquee>
```

```
    </h1>
```

```
</body>
```

```
</html>
```

menu.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <style>
```

```
        body {
```

```
            background-color: #fee7c1;
```

```
        }
```

```
        h1 {
```

```
            color: #81130f;
```

```
            text-align: center;
```

```
            font-family: sans-serif;
```

```
            font-size: 35px;
```

```
        }
```

```
        a:link {
```

```
            color: blue;
```

```
            background-color: transparent;
```

```
        }
```

```
        a:visited {
```

```
            color: purple;
```

```
            background-color: transparent;
```

```
        }
```

```
        a:hover {
            color: red;
            background-color: transparent;
        }
    </style>
```

```
</head>
```

```
<body>
```

```
    <h1> Selected Planets</h1>
```

```
    <p style="font-size: 20px"> Read essential details about following planets.
```

```
    <p>
```

```
        <ul style="font-size: 20px">
```

```
            <li><u> <a href="https://en.wikipedia.org/wiki/Venus"
target="main_page">Venus</a></u></li>
```

```
            <br>
```

```
            <li><u> <a href="https://en.wikipedia.org/wiki/Earth"
target="main_page">Earth</a></u></li>
```

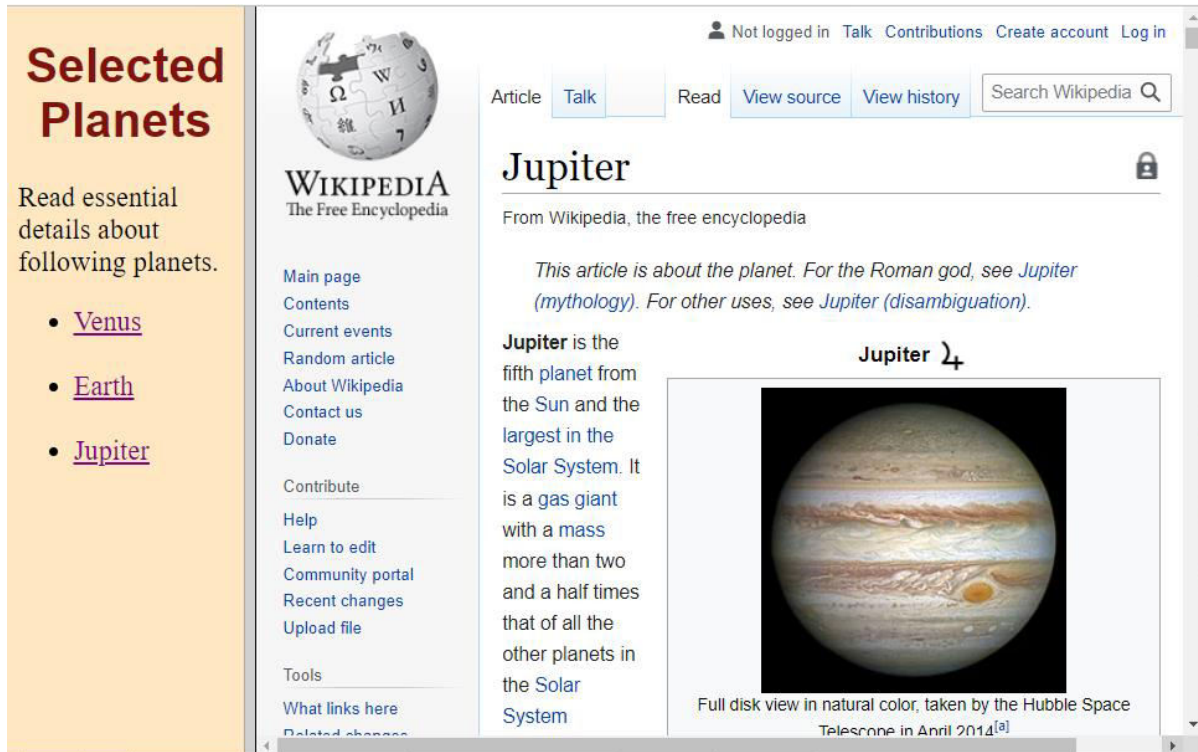
```
            <br>
```

```
            <li><u> <a href="https://en.wikipedia.org/wiki/Jupiter"
target="main_page">Jupiter</a></u></li>
```

```
        </ul>
```

```
</body>
```

```
</html>
```



4. WAP in HTML to implement a table

```
<html>
```

```
  <head>
```

```
    <title>Table HTML Script</title>
```

```
  </head>
```

```
  <body>
```

```
    <p><h1><center><u>Table HTML</u></center></h1></p>
```

```
    <table align="center" border="3" cellpadding="7" bgcolor="white" >
```

```
      <tr><th rowspan="3">Day</th> <th colspan="4">Seminar</th></tr>
```

```
      <tr><th colspan="2">Schedule</th><th rowspan="2">
```

```
colspan="2">Topic</th></tr>
```

```
      <tr><th>Begin</th><th>End</th></tr>
```

```
      <tr><td rowspan="2">Monday</td><td rowspan="2" bgcolor="yellow">8.00  
a.m.</td><td rowspan="2" bgcolor="#CF9FFF">5.00 p.m.</td><td>Introduction to  
XML</td></tr>
```

```

<tr><td>Validity: DTD and Relax NG</td></tr>

<tr><td rowspan="3">Tuesday</td><td bgcolor="yellow">8.00 a.m</td><td
bgcolor="yellow">11.00 a.m</td><td colspan="2">XPath</td></tr>

<tr><td bgcolor="yellow">11.00 a.m</td><td bgcolor="90EE90">2.00
p.m</td><td colspan="2" rowspan="2">XSL Transformations</td></tr>

<tr><td bgcolor="90EE90">2.00 p.m</td><td bgcolor="#CF9FFF">5.00
p.m</td></tr>

<tr><td>Wednesday</td><td bgcolor="yellow">8.00 a.m</td><td
bgcolor="90EE90">12.00 p.m</td><td colspan="2">XSL Formatting Objects</td></tr>

</table>

</table>

</body>

</html>

```

Table HTML

Day	Seminar		
	Schedule		Topic
	Begin	End	
Monday	8.00 a.m	5.00 p.m	Introduction to XML
			Validity: DTD and Relax NG
Tuesday	8.00 a.m	11.00 a.m	XPath
	11.00 a.m	2.00 p.m	XSL Transformations
	2.00 p.m	5.00 p.m	
Wednesday	8.00 a.m	12.00 p.m	XSL Formatting Objects

5. Write a JavaScript function to check whether an `input` is an integer or not.

Test Data:

'ABCD' false

[17, 52, 94, 60] true

```
<!DOCTYPE html>
<html>
<head>
  <title>Document</title>
</head>
<body>
  <input type="text" id="text1" placeholder="Enter String"/>
  <button id="button1" onclick="clicked()">Submit</button>
  <script src="Integer.js">
  </script>
</body>
</html>
```

```
Integer.js
const arr=[17,52,94,60]
x=arr.every(isInt);
function isInt(value){
  return Number.isInteger(value);
}
y=isInt('ABCD');
console.log('ABCD');
console.log(y);
console.log(arr);
console.log(x);
```

ABCD

false

► (4) [17, 52, 94, 60]

true

>

6. write a java script function to move a circle from top to bottom with 50 px;

circle attributes:

background color: blue

border color: red

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
  <title>Move Circle</title>
```

```
  <style>
```

```
    .circle{
```

```
      border: 1px solid red;
```

```
      border-color: red;
```

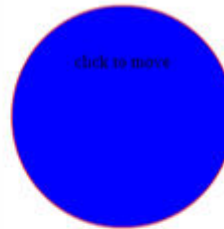
```
        background-color: blue;
        height: 200px;
        width: 200px;
        border-radius: 100px;
        position: absolute;
        text-align: center;
        line-height: 100px;
    }
</style>
</head>
<body>
    <div class="circle">
        click to move
    </div>
    <script>
        const circle1=document.querySelector(".circle");
        inc=0;
        circle1.addEventListener('click', ()=>{
            inc=inc+50;
            circle1.style.top=inc+"px";
        })

    </script>
</body>
</html>
```

Click 1



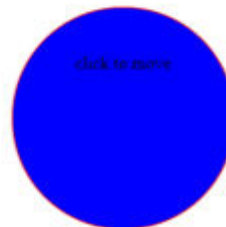
Click 2



Click 3

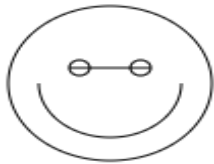


Click 4



7. Write a JavaScript program to draw the following diagram [use moveTo() function].

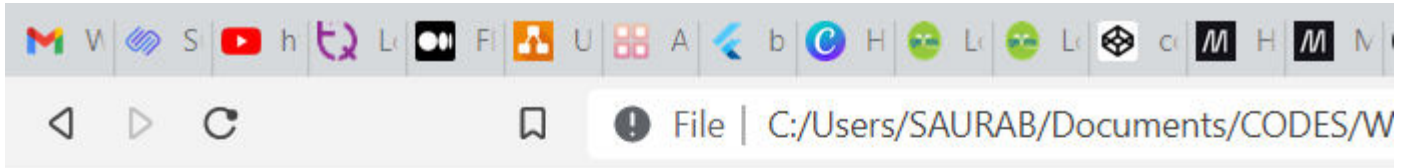
Expected Output:



```
<!DOCTYPE html>
<html>
<head>
  <title>Draw</title>
</head>
<body onload="draw();">
  <canvas id="canvas" width="250" height="250"> hello</canvas>
  <script>
    function draw(){
      var canvas=document.getElementById('canvas');
      if(canvas.getContext){
        var context=canvas.getContext('2d');
        context.beginPath();
        //Outer Circle
        context.arc(75,75,50,0,Math.PI*2,true);
        context.moveTo(110,75);
        //Mouth

        context.arc(75,75,35,0,Math.PI,false);
        //Left and Right Eye
        context.moveTo(55,65);
        context.arc(60,65,5,0,Math.PI*2,true);
        context.arc(90,65,5,0,Math.PI*2,true);
        context.stroke();
      }
    }
  </script>
</body>
</html>
```

```
}  
</script>  
</body>  
</html>
```



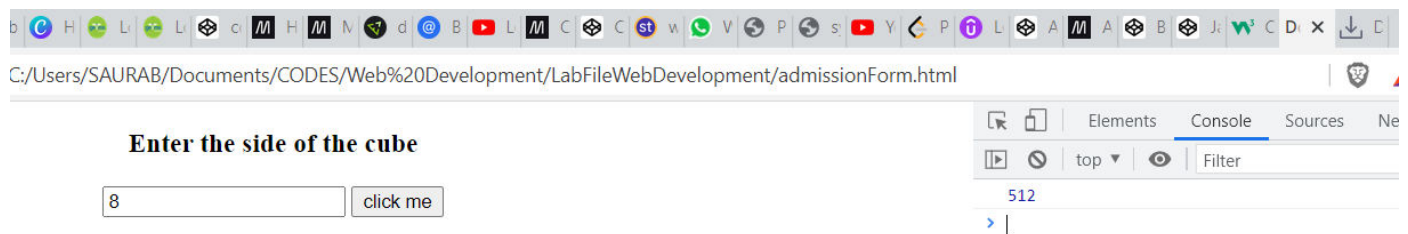
8. Write a JavaScript program to calculate the volume of cube using form.

```
<!DOCTYPE html>  
<html>  
<head>  
  <title>Document</title>  
</head>  
<body>  
  <div align="center">  
    <h3>Enter the side of the cube </h3>
```

```

        <input type="text" id="volume">
        <button id="vol" onclick="clicked()">click me</button>
    </div>
    <script>
        function clicked(){
            const vol=document.querySelector('#volume').value;
            side=vol*vol*vol;
            console.log(side);
        }
    </script>
</body>
</html>

```



9. Write a JavaScript for loop that will iterate from 0 to 100. For each iteration, it will check if the current number is perfect square or not, and display a message to the screen/console.

```

<!DOCTYPE html>
<html >
<head>

```

```
<title>Document</title>
</head>
<body>
  <script>
    for(i=0;i<=100;i++){
      x=Math.sqrt(i);
      if(Number.isInteger(x))
        console.log(i+" is a perfect square");
    }
  </script>
</body>
</html>
```

n.html

The screenshot shows a web browser's developer console with the 'Console' tab selected. The console displays 11 log messages, each indicating a perfect square found between 0 and 100. The messages are: '0 is a perfect square', '1 is a perfect square', '4 is a perfect square', '9 is a perfect square', '16 is a perfect square', '25 is a perfect square', '36 is a perfect square', '49 is a perfect square', '64 is a perfect square', '81 is a perfect square', and '100 is a perfect square'. Each message is followed by a link to 'admissionForm.html:11'. The console interface includes a filter bar at the top with 'top' selected, a 'Filter' input field, and a 'No Issues' status indicator. A blue arrow cursor is visible at the bottom left of the console area.

Message	Source
0 is a perfect square	admissionForm.html:11
1 is a perfect square	admissionForm.html:11
4 is a perfect square	admissionForm.html:11
9 is a perfect square	admissionForm.html:11
16 is a perfect square	admissionForm.html:11
25 is a perfect square	admissionForm.html:11
36 is a perfect square	admissionForm.html:11
49 is a perfect square	admissionForm.html:11
64 is a perfect square	admissionForm.html:11
81 is a perfect square	admissionForm.html:11
100 is a perfect square	admissionForm.html:11

10: Write a JavaScript function to check whether a given value is an valid password & mail-id or not.

```
<!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>Valid Email and Password</title>
</head>

<body>
  <input id="email" placeholder="Enter your Email" required /></br>
  <input id="password" type="password" placeholder="Enter the
password" required /></br>
  <h2 id="isValid"></h2>
  <button id="submitButton">Submit</button>

  <script src="script1.js"></script>
</body>

</html>
```

```
let text = document.querySelector("#isValid");
```

```
function check(email, password) {
  let flag1 = 0, flag2 = 0;

  for (let i = 0; i < email.length; i++) {
    if (email[i] == '@') {
      for (let j = i + 1; j < email.length; j++) {
        if (email[j] == '.' && j != email.length - 1) {
```

```

        flag1 = 1;
    }
}

if (password.length >= 8) {
    flag2 = 1;
}

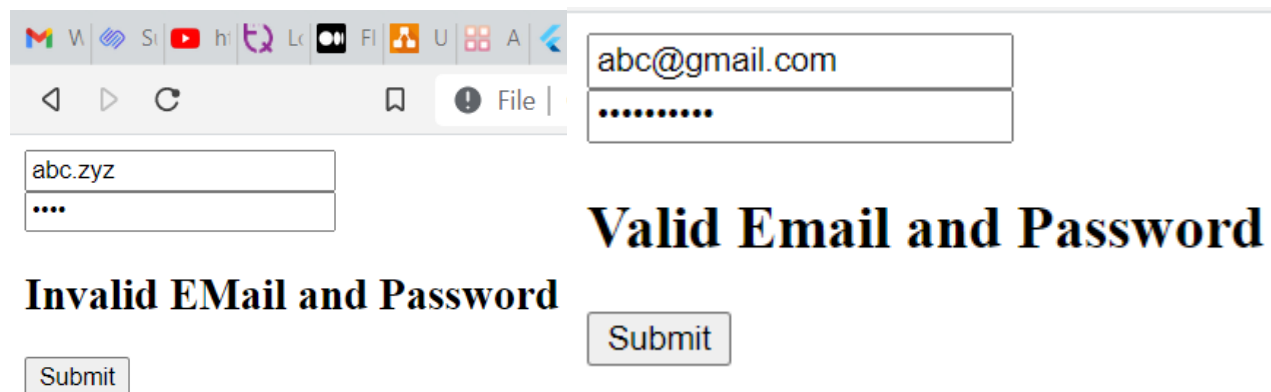
return flag1 && flag2;
}

document.querySelector("#submitButton").addEventListener("click",
function (event) {
    let email = document.querySelector("#email").value;
    let password = document.querySelector("#password").value;

    if (check(email, password)) {
        text.innerText = "Valid Email and Password";
    }
    else {
        text.innerText = "Invalid EMail and Password";
    }

    event.preventDefault();
});

```



The screenshot shows a web browser window with a login form. The form has two input fields: one for email (containing 'abc@gmail.com') and one for password (containing '.....'). Below the password field is a 'Submit' button. The form is titled 'Valid Email and Password' in a large, bold, black font. To the left of the form, there is a smaller version of the form with the email field containing 'abc.zyz' and the password field containing '....', also with a 'Submit' button. The browser's address bar shows 'File |' and the browser's toolbar includes various icons for navigation and search.