1. Create a Simple Admission From for University admission.

```
< html>
<head>
	<title>Document</title>
</head>
<body>
	<table border="1" cellspacing="0" width="420">
		<tr>
			<td><u>S.N</u></td>
			<td><u>Assignment Submission date:16-Feb-2022</u></td>
		</tr>
		<tr>
			<td>1.</td>
			<td> Write a program to implement form in HTML
				<table border="1" cellspacing="0" bgcolor="lightblue" width="300">
					<tr> <td>
						<form action="example.html" >
							<label >Name    </label>   
							<input type="text"><br><br>
							<label >Father <br>

Name</label>       
							<input type="text"><br><br>
							<label >Postal <br> Address</label>  
							<input type="text"><br><br>
							<label >Personal <br>
								Address</label>   
							<input type="text"><br><br>
							<label >Gender</label>  
							<input type="radio" name="gender">Male
							<input type="radio" name="gender">Female
<br><br>
					<label>City</label>     
							<select name="City" >
								<option value="d">Delhi</option>
```

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

                                    </select>
                                    <br><br>
                                    <label >Course</label>   
                                        <select name="Course" >
                                            <option >B.tech</option>
                                            <option >M.tech</option>
                                            <option >B.sc</option>
                                        </select><br><br>
                                        <label >Pincode</label>  
                                        <input type="text"><br><br>
                                        <label >EmailId</label>  
                                        <input type="text"><br><br>
                                        <label
>DOB</label>    
                                        <input type="date"><br><br>
                                          <label >MobileNo</label> 
                                          <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.	Write a program to implement form in HTML Name Father Name Postal Address Personal Address Gender ○ Male ○ Female City Delhi Course B.tech Pincode EmailId DOB dd-mm-yyyy MobileNo Submit Form Reset

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<br><strong>Seminar Hall</strong></td>
                <td>TCS-693<br><strong>Seminar Hall</strong></td>
                <td colspan="2">Software Enginnering Lab<br><strong>Digital Lab-
I</strong></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<br><strong>Quant</strong></td>
                <td>TCS-604</td>
                <td>TCS-601<br><strong>Soft Skills</strong></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>
```

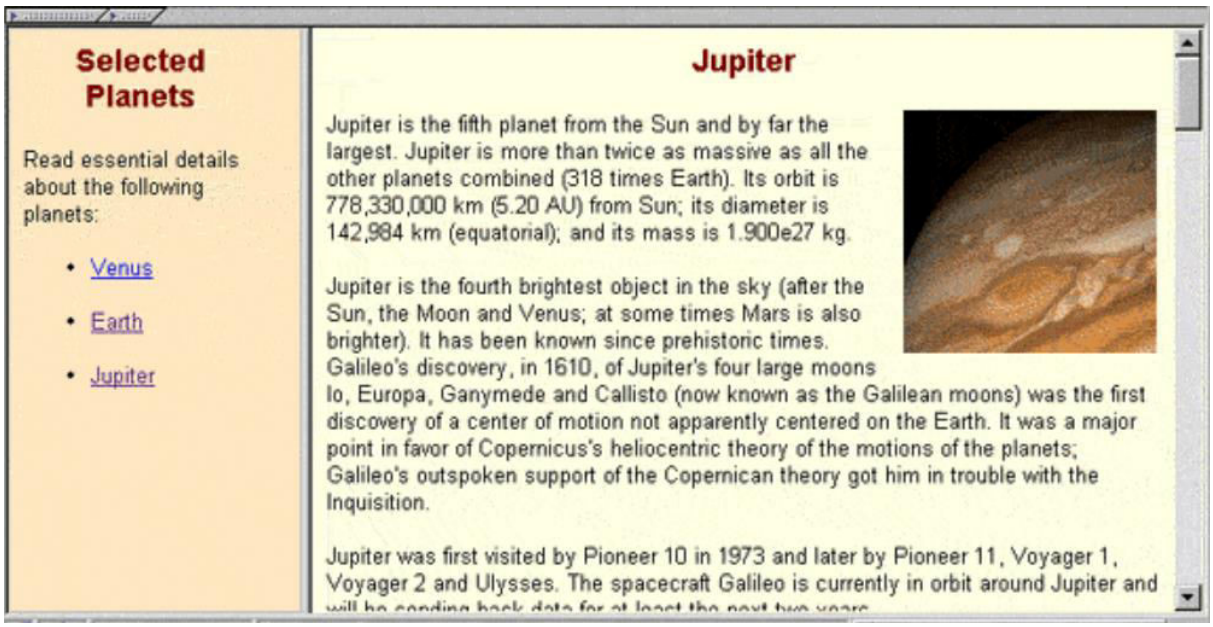
Graphic Era Deemed To be University

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

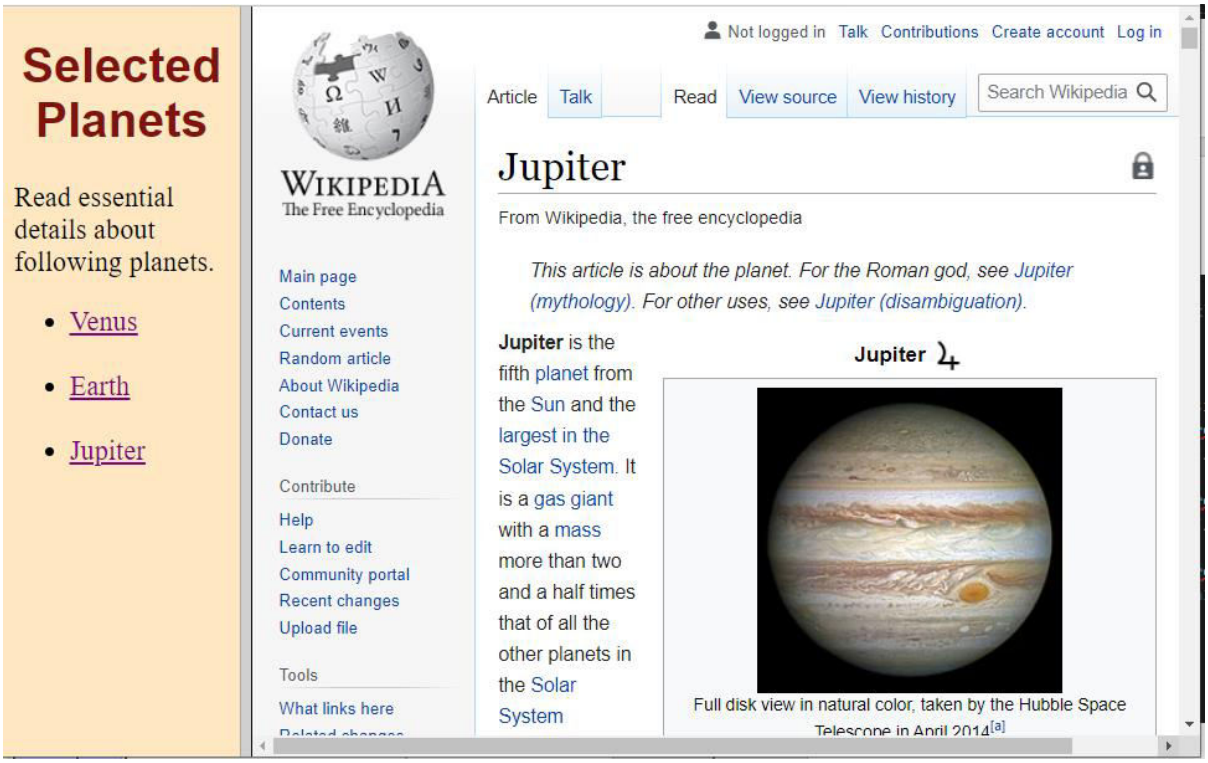
```
<!DOCTYPE html>
<html>
```

```
<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 interger 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);
```

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

circle attributes:

background color: blue

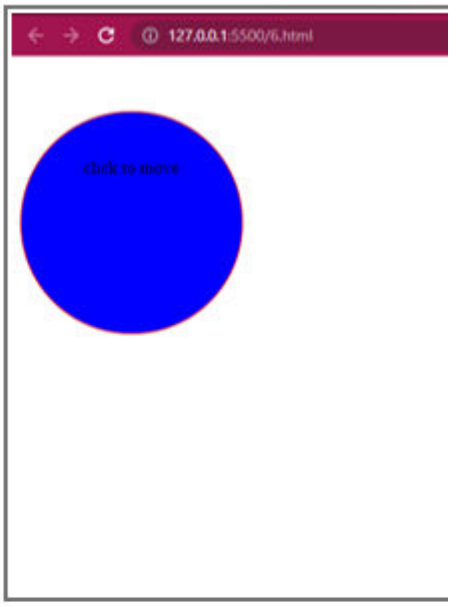
border color: red

```
<!DOCTYPE html>
<html>
<head>
	<title>Move Circle</title>
	<style>
		.circle{
			border: 1px solid red;
			border-color: red;
```

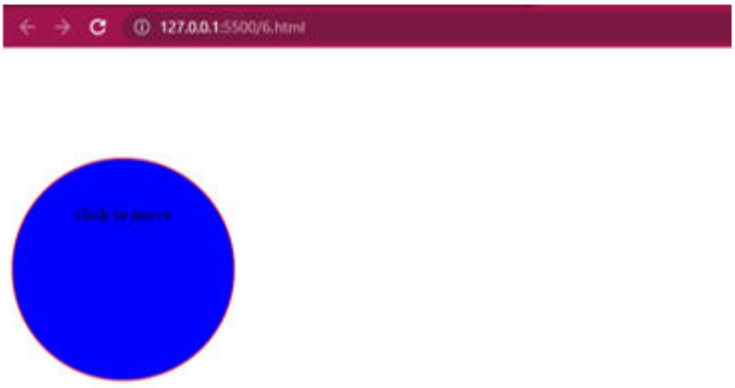
```
            background-color: blue;
            height: 200px;
            width: 200px;
            border-radius: 100px;
            position: absolute;
            text-align: center;
            line-height: 100px;
        }
    </style>
</head>
<body>
    <div class="circle">
        click to 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

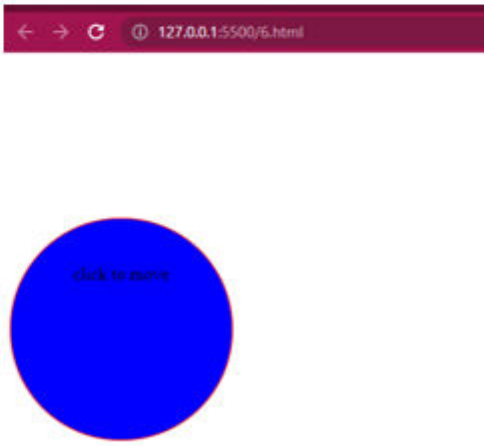
Click 2



Click 3

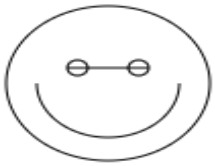


Click 4



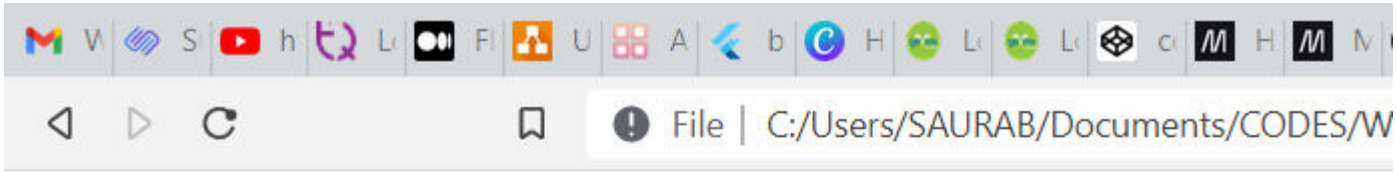
7. Write a JavaScript program to draw the following diagram [use moveto() function].

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();
			}
```

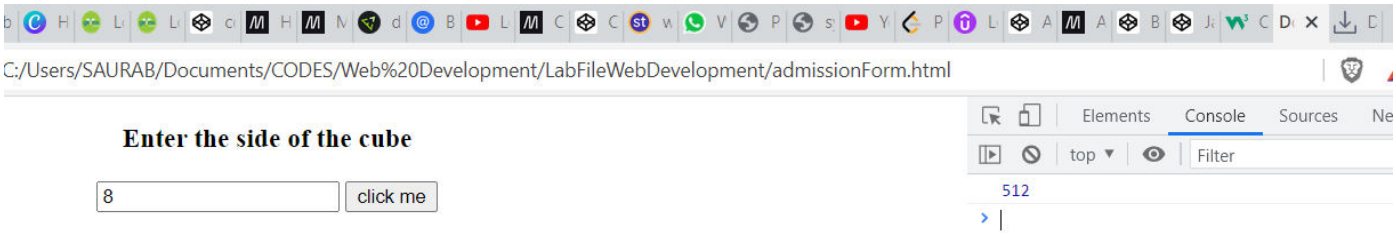
```
        }
    </script>
</body>
</html>
```



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>
```

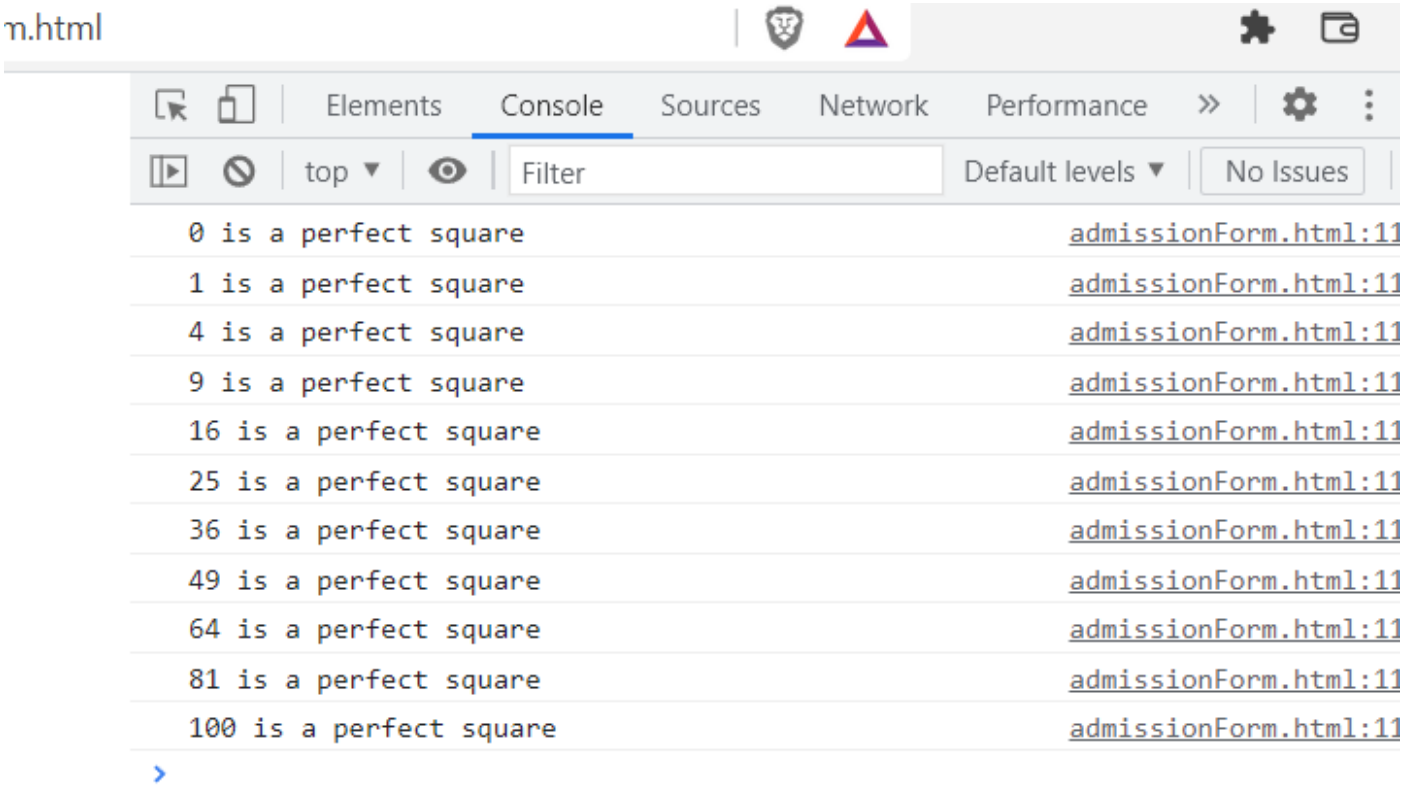
```
        <input type="text" id="volume">
        <button id="vol" onclick="clicked()">click me</button>
    </div>
    <script>
        function clicked(){
            const vol=document.querySelector('#volume').value;
            side=vol*vol*vol;
            console.log(side);
        }
    </script>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



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();
});
```