**Q1)**

<!DOCTYPE html>

<html>

<style>

table,td{

border:1px solid black;border-collapse:collapse;text-align:center;padding: 10px;

}

</style>

<body>

<table>

<tr>

<td rowspan="2">Days</td>

<td colspan="6">Time</td>

</tr>

<tr>

<td>8:00</td>

<td>9:00</td>

<td>10:00</td>

<td>11:00</td>

<td>11:30</td>

<td>12:30</td>

</tr>

<tr>

<td>Monday</td>

<td>Course 1</td>

<td>Course 2</td>

<td>Course 3</td>

<td rowspan="5">BREAK</td>

<td>Course 5</td>

<td></td>

</tr>

<tr>

<td>Tuesday</td>

<td colspan="2"></td>

<td>Course 2</td>

<td>Course 4</td>

<td>Course 1</td>

</tr>

<tr>

<td>Wednesday</td>

<td>Course 3</td>

<td colspan="2"></td>

<td>Course 2</td>

<td></td>

</tr>

<tr>

<td>Thursday</td>

<td rowspan="2">Course 4</td>

<td>Course 2</td>

<td>Course 3</td>

<td colspan="2" rowspan="2">Thesis</td>

</tr>

<tr>

<td>Friday</td>

<td></td>

<td>Course 1</td>

</tr>

</table>

</body>

</html>

**Q2)**

<!DOCTYPE html>

<html lang="en">

<body>

<form name="form1" onsubmit="return generate()">

<label for="fname">First Name: </label>

<input type="text" id="fname"><br><br>

<label for="lname">Last Name: </label>

<input type="text" id="lname"><br><br>

<label for="age">Age: </label>

<input type="number" id="age"><br><br>

<label for="dob">DOB: </label>

<input type="date" id="date"><br><br>

<input type="submit" value="Generate Password">

</form>

<h3 id="password\_val"></h3>

<script>

function generate(){

var fname = document.form1.fname.value;

var lname = document.form1.lname.value;

var age = parseInt(document.form1.age.value);

var dob = document.getElementById("date").value;

var dateObject = new Date(dob);

var month = dateObject.getMonth() + 1 //month returns from 0-11, and not 1-12

var er = age + month;

var com = fname[0] + lname[lname.length - 1] + er;

document.getElementById("password\_val").textContent = "Generated password: " + com;

return false;

}

</script>

</body>

</html>

**Q3)**

<!DOCTYPE html>

<html lang="en">

<body>

Text Content: <br>

<textarea id="txt"></textarea><br><br>

<button onclick="evaluate\_text()">Evaluate</button>

<script>

function evaluate\_text(){

let txt = document.getElementById("txt").value;

txt = txt.slice(0,-1);

let words = txt.split(" ");

let statements = txt.split(".");

alert("Characters typed: " + txt.length);

alert("Words typed: " + words.length);

alert("Statements typed: " + statements.length)

}

</script>

</body>

</html>

**Q4)**

<!DOCTYPE html>

<html lang="en">

<body>

<h1 id="data1">Sugar</h1>

<h1 id="data2"></h1>

<input type="number" id="sugar" placeholder="Enter sugar value"> <button onclick="operation1()">Sugar</button>

<input type="number" id="lipid\_value" placeholder="Enter lipid value"> <button onclick="operation2()">Lipid Value</button>

<script>

function operation1(){

let sugar\_val = parseInt(document.getElementById("sugar").value);

if(sugar\_val != " "){

document.getElementById("data1").textContent = "Sugar " + sugar\_val;

}

}

function operation2(){

let lipid\_val = parseInt(document.getElementById("lipid\_value").value);

if(lipid\_val < 100){

document.getElementById("data2").textContent = "Lipid Low";

}

else{

document.getElementById("data2").textContent = "Lipid High";

}

}

</script>

</body>

</html>