<u>Chessboard.html</u>

```html
<html>
<head>
<meta charset="UTF-8">
<title>Chessboard using Pure CSS and HTML</title>
<style type="text/css">

.chessboard {
    width: 640px;
    height: 640px;
    margin: 20px;
    border: 25px solid #333;
}
.black {
    float: left;
    width: 80px;
    height: 80px;
    background-color: #999;
     font-size:50px;
    text-align:center;
    display: table-cell;
    vertical-align:middle;
}
.white {
    float: left;
    width: 80px;
    height: 80px;
    background-color: #fff;
    font-size:50px;
    text-align:center;
    display: table-cell;
    vertical-align:middle;
}

</style>
</head>
<body>

<div class="chessboard">
<!-- 1st -->
<div class="white">&#9820;</div>
<div class="black">&#9822;</div>
<div class="white">&#9821;</div>
<div class="black">&#9819;</div>
<div class="white">&#9818;</div>
<div class="black">&#9821;</div>
<div class="white">&#9822;</div>
<div class="black">&#9820;</div>
<!-- 2nd -->
<div class="black">&#9821;</div>
<div class="white">&#9821;</div>
<div class="black">&#9821;</div>
<div class="white">&#9821;</div>
<div class="black">&#9821;</div>
<div class="white">&#9821;</div>
<div class="black">&#9821;</div>
<div class="white">&#9821;</div>
```

```html
<!-- 3th -->
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<!-- 4st -->
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<!-- 5th -->
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<!-- 6th -->
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<div class="black"></div>
<div class="white"></div>
<!-- 7th -->
<div class="white">&#9817;</div>
<div class="black">&#9817;</div>
<div class="white">&#9817;</div>
<div class="black">&#9817;</div>
<div class="white">&#9817;</div>
<div class="black">&#9817;</div>
<div class="white">&#9817;</div>
<div class="black">&#9817;</div>
<!-- 8th -->
<div class="black">&#9814;</div>
<div class="white">&#9816;</div>
<div class="black">&#9815;</div>
<div class="white">&#9813;</div>
<div class="black">&#9812;</div>
<div class="white">&#9815;</div>
<div class="black">&#9816;</div>
<div class="white">&#9814;</div>
</div>
</body>
</html>
```

VIBGYOR

```html
<html>
<head>
<meta charset="UTF-8">
<title>Chessboard using Pure CSS and HTML</title>
<style type="text/css">


.rainbow-lr {
  background: linear-gradient(to right, red, orange , yellow, green, cyan, blue, violet);
  color:transparent;
  background-clip: text;
}
.rainbow-td {
  background: linear-gradient(to bottom, red, orange , yellow, green, cyan, blue, violet);
  color:transparent;
  background-clip: text;
}
</style>
</head>
<body>


<div>
  <span class="rainbow-lr">Rainbow text</span>
</div>
<div>
  <span class="rainbow-td">Rainbow text</span>
<div>

</body>
</html>
```
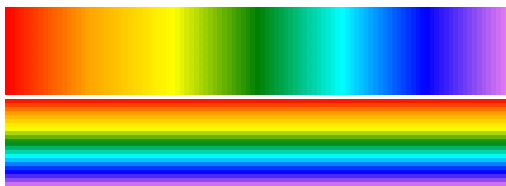

TIC-TAC-TOE
```html
<!doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
      content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Tic Tac Toe</title>
  <style>
body {
  font-family: "Arial", sans-serif;
}
```

```css
section {
  text-align: center;
}

.game--title {
  font-size: 100px;
  color: #d7a62f;
  margin: 10px auto;
}

.game--container {
  display: grid;
  grid-template-columns: repeat(3, auto);
  width: 306px;
  margin: 10px auto;
  background-color: #11213a;
  color: #04c0b2;
}

.cell {
  font-family: "Permanent Marker", cursive;
  width: 100px;
  height: 100px;
  box-shadow: 2px 2px 2px 2px #ecd7ba;
  border: 2px solid #ecd7ba;
  cursor: pointer;
  line-height: 100px;
  font-size: 60px;
}

.game--status {
  font-size: 50px;
  color: #d7a62f;
  margin: 20px auto;
}

.game--restart {
  background-color: #f7e4ac;
  width: 200px;
  height: 50px;
  font-size: 25px;
  color: #5586e2;
  box-shadow: 2px 2px 2px 2px #d86c23;
  border: 2px solid #d86c23;
}

</style>
</head>
<body>
  <section>
    <h1 class="game--title">Tic Tac Toe</h1>
    <div class="game--container">
      <div data-cell-index="0" class="cell"></div>
      <div data-cell-index="1" class="cell"></div>
      <div data-cell-index="2" class="cell"></div>
      <div data-cell-index="3" class="cell"></div>
      <div data-cell-index="4" class="cell"></div>
      <div data-cell-index="5" class="cell"></div>
```

```html
            <div data-cell-index="6" class="cell"></div>
            <div data-cell-index="7" class="cell"></div>
            <div data-cell-index="8" class="cell"></div>
        </div>
        <h2 class="game--status"></h2>
        <button class="game--restart">Restart Game</button>
    </section>

    <script>
const statusDisplay = document.querySelector('.game--status');

let gameActive = true;
let currentPlayer = "X";
let gameState = ["", "", "", "", "", "", "", "", ""];

const winningMessage = () => `Player ${currentPlayer} has won!`;
const drawMessage = () => `Game ended in a draw!`;
const currentPlayerTurn = () => `It's ${currentPlayer}'s turn`;

statusDisplay.innerHTML = currentPlayerTurn();

const winningConditions = [
    [0, 1, 2],
    [3, 4, 5],
    [6, 7, 8],
    [0, 3, 6],
    [1, 4, 7],
    [2, 5, 8],
    [0, 4, 8],
    [2, 4, 6]
];

function handleCellPlayed(clickedCell, clickedCellIndex) {
    gameState[clickedCellIndex] = currentPlayer;
    clickedCell.innerHTML = currentPlayer;
}

function handlePlayerChange() {
    currentPlayer = currentPlayer === "X" ? "O" : "X";
    statusDisplay.innerHTML = currentPlayerTurn();
}

function handleResultValidation() {
    let roundWon = false;
    for (let i = 0; i <= 7; i++) {
        const winCondition = winningConditions[i];
        let a = gameState[winCondition[0]];
        let b = gameState[winCondition[1]];
        let c = gameState[winCondition[2]];
        if (a === '' || b === '' || c === '') {
            continue;
        }
        if (a === b && b === c) {
            roundWon = true;
            break
        }
    }

    if (roundWon) {
```

```
        statusDisplay.innerHTML = winningMessage();
        gameActive = false;
        return;
    }

    let roundDraw = !gameState.includes("");
    if (roundDraw) {
        statusDisplay.innerHTML = drawMessage();
        gameActive = false;
        return;
    }

    handlePlayerChange();
}

function handleCellClick(clickedCellEvent) {
    const clickedCell = clickedCellEvent.target;
    const clickedCellIndex = parseInt(clickedCell.getAttribute('data-cell-index'));

    if (gameState[clickedCellIndex] !== "" || !gameActive) {
        return;
    }

    handleCellPlayed(clickedCell, clickedCellIndex);
    handleResultValidation();
}

function handleRestartGame() {
    gameActive = true;
    currentPlayer = "X";
    gameState = ["", "", "", "", "", "", "", "", ""];
    statusDisplay.innerHTML = currentPlayerTurn();
    document.querySelectorAll('.cell').forEach(cell => cell.innerHTML = "");
}


document.querySelectorAll('.cell').forEach(cell => cell.addEventListener('click', handleCellClick));
document.querySelector('.game--restart').addEventListener('click', handleRestartGame);</script>
</body>
</html>
```

Tic Tac Toe

O	X	X
X	O	O
X	O	X

Game ended in a draw!

Restart Game

2. Timetable using Table tag in HTML

```html
<!DOCTYPE html>

<html>

<head>

<title>TimeTable</title>

</head>

<body>

<!--TimeTable using HTML codes by Bob TekZone-->

<table border="3px" cellspacing="5px" cellpadding="10px">

<caption>Time-Table</caption>

<tr>

<th colspan="6">

<pre>

                    Sec:A

</pre></th>

<!--<pre> tag used for writing the content same as in codes without any changes-->

</tr>

<tr>

<th>Day/Time</th>

<th>1st Period 09:00-10:00am</th>

<th>2nd Period 10:00-11:00am</th>

<th>Break 11:00-11:30am</th>

<!--<td></td> & <th></th> both used for column, <th></th> is a table header -->

<th>3rd Period 11:30am-12:30pm</th>

<th>4th Period 12:30-01:30pm</th>

</tr>

<tr>

<td>Monday</td>
```

```html
<td>WD</td>

<td>Automata</td>

<td rowspan="6"><center>B<br>R<br>E<br>A<br>K<br></center></td>

<td>Python</td>

<td>OS</td>

</tr>

<tr>

<td>Tuesday</td>

<td>Math</td>
<td>WD</td>
<td>Python</td>
<td>Automata</td>
</tr>
<tr>
<td>Wednesday</td>
<td>Quants</td>
<td>HV</td>
<td>English</td>
<td>WD</td>
</tr>
<tr>
<td>Thursday</td>
<td>Automata</td>
<td>Math</td>
<td>WD</td>
<td>OS</td>
</tr>
<tr>
<td>Friday</td>
<td>OS</td>
<td>Python</td>
<td>Automata</td>
<td>WD</td>
</tr>
<tr>
<td>Saturday</td>
<td>PSD</td>
<td>OS</td>
<td>Reasoning</td>
<td>HV</td>
</tr>
</table>
</body>
<html>
```

Day/Time	1st Period 09:00-10:00am	2nd Period 10:00-11:00am	Break 11:00-11:30am	3rd Period 11:30am-12:30pm	4th Period 12:30-01:30pm
			Sec : A		
Monday	WD	Automata		Python	OS
Tuesday	Math	WD	B	Python	Automata
Wednesday	Quants	HV	R	English	WD
Thursday	Automata	Math	E A	WD	OS
Friday	OS	Python	K	Automata	WD
Saturday	PSD	OS		Reasoning	HV

3.Registration Form

```html
<!DOCTYPE html>
<html>
  <head>
    <title>Login and Registration Form in HTML</title>
  </head>
  <body>
    <div class="wrapper">
      <div class="title-text">
        <div class="title login">
          Login Form
        </div>
        <div class="title Register">
          Registration Form
        </div>
      </div>
      <div class="form-container">
        <div class="slide-controls">
          <input type="radio" name="slide" id="login" checked>
          <input type="radio" name="slide" id="register">
          <label for="login" class="slide login">Login</label>
          <label for="Register" class="slide signup">Register </label>
          <div class="slider-tab"></div>
        </div>
        <div class="form-inner">
          <form action="#" class="login">
            <div class="field">
              <input type="text" placeholder="Email Address" required>
            </div>
            <div class="field">
              <input type="password" placeholder="Password" required>
            </div>
            <div class="pass-link">
              <a href="#">Forgot password?</a>
            </div>
            <div class="field btn">
              <div class="btn-layer"></div>
              <input type="submit" value="Login">
            </div>
            <div class="Register-link">
              Not registered? <a href="">Register now</a>
            </div>
```

```html
        </form>
        <form action="#" class="Register">
          <div class="field">
            <input type="text" placeholder="Email Address" required>
          </div>
          <div class="field">
            <input type="password" placeholder="Password" required>
          </div>
          <div class="field">
            <input type="password" placeholder="Confirm password" required>
          </div>
          <div class="field btn">
            <div class="btn-layer"></div>
            <input type="submit" value="Register">
          </div>
        </form>
      </div>
    </div>
  </div>
  <script>
    const loginText = document.querySelector(".title-text .login");
    const loginForm = document.querySelector("form.login");
    const loginBtn = document.querySelector("label.login");
    const signupBtn = document.querySelector("label.signup");
    const signupLink = document.querySelector("form .signup-link a");
    signupBtn.onclick = (()=>{
      loginForm.style.marginLeft = "-50%";
      loginText.style.marginLeft = "-50%";
    });
    loginBtn.onclick = (()=>{
      loginForm.style.marginLeft = "0%";
      loginText.style.marginLeft = "0%";
    });
    signupLink.onclick = (()=>{
      signupBtn.click();
      return false;
    });
  </script>
  <style>
*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'Poppins', sans-serif;
}
html,body{
  display: grid;
  height: 100%;
  width: 100%;
  place-items: center;
  background: #87CEEB;
}
::selection{
  background: #fa4299;
  color: #fff;
}
.wrapper{
  overflow: hidden;
  max-width: 390px;
```

```css
  background: #fff;
  padding: 30px;
  border-radius: 5px;
  box-shadow: 0px 15px 20px rgba(0,0,0,0.1);
}
.wrapper .title-text{
  display: flex;
  width: 200%;
}
.wrapper .title{
  width: 50%;
  font-size: 35px;
  font-weight: 600;
  text-align: center;
  transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
.wrapper .slide-controls{
  position: relative;
  display: flex;
  height: 50px;
  width: 100%;
  overflow: hidden;
  margin: 30px 0 10px 0;
  justify-content: space-between;
  border: 1px solid lightgrey;
  border-radius: 5px;
}
.slide-controls .slide{
  height: 100%;
  width: 100%;
  color: #fff;
  font-size: 18px;
  font-weight: 500;
  text-align: center;
  line-height: 48px;
  cursor: pointer;
  z-index: 1;
  transition: all 0.6s ease;
}
.slide-controls label.signup{
  color: #000;
}
.slide-controls .slider-tab{
  position: absolute;
  height: 100%;
  width: 50%;
  left: 0;
  z-index: 0;
  border-radius: 5px;
  background: -webkit-linear-gradient(left, #a445b2, #fa4299);
  transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
input[type="radio"]{
  display: none;
}
#signup:checked ~ .slider-tab{
  left: 50%;
}
#signup:checked ~ label.signup{
```

```css
  color: #fff;
  cursor: default;
  user-select: none;
}
#signup:checked ~ label.login{
  color: #000;
}
#login:checked ~ label.signup{
  color: #000;
}
#login:checked ~ label.login{
  cursor: default;
  user-select: none;
}
.wrapper .form-container{
  width: 100%;
  overflow: hidden;
}
.form-container .form-inner{
  display: flex;
  width: 200%;
}
.form-container .form-inner form{
  width: 50%;
  transition: all 0.6s cubic-bezier(0.68,-0.55,0.265,1.55);
}
.form-inner form .field{
  height: 50px;
  width: 100%;
  margin-top: 20px;
}
.form-inner form .field input{
  height: 100%;
  width: 100%;
  outline: none;
  padding-left: 15px;
  border-radius: 5px;
  border: 1px solid lightgrey;
  border-bottom-width: 2px;
  font-size: 17px;
  transition: all 0.3s ease;
}
.form-inner form .field input:focus{
  border-color: #fc83bb;
}
.form-inner form .field input::placeholder{
  color: #999;
  transition: all 0.3s ease;
}
form .field input:focus::placeholder{
  color: #b3b3b3;
}
.form-inner form .pass-link{
  margin-top: 5px;
}
.form-inner form .signup-link{
  text-align: center;
  margin-top: 30px;
}
```

```css
.form-inner form .pass-link a,
.form-inner form .signup-link a{
  color: #fa4299;
  text-decoration: none;
}
.form-inner form .pass-link a:hover,
.form-inner form .signup-link a:hover{
  text-decoration: underline;
}
form .btn{
  height: 50px;
  width: 100%;
  border-radius: 5px;
  position: relative;
  overflow: hidden;
}
form .btn .btn-layer{
  height: 100%;
  width: 300%;
  position: absolute;
  left: -100%;
  background: -webkit-linear-gradient(right, #a445b2, #fa4299, #a445b2, #fa4299);
  border-radius: 5px;
  transition: all 0.4s ease;;
}
form .btn:hover .btn-layer{
  left: 0;
}
form .btn input[type="submit"]{
  height: 100%;
  width: 100%;
  z-index: 1;
  position: relative;
  background: none;
  border: none;
  color: #fff;
  padding-left: 0;
  border-radius: 5px;
  font-size: 20px;
  font-weight: 500;
  cursor: pointer;
}
    </style>
   </body>
</html>
```

Login Form

Login	Register

Email Address

Password

Forgot password?

Login

Not registered? Register now

Registration Form

Login	Register

Email Address

Password

Confirm password

Register