**Ex: 03 Name: Hansa G K**

**Date: 19.01.2024 Roll No: 23MCA005**

**EXERCISE USING JQUERY**

**AIM :**

To create a web page consisting of train details for reservation and to check the availability of seats using JQuery.

**SOURCE CODE :**

***homepage.html***

<html>

<head>

<title> Railway reservation </title>

<script src="https://code.jquery.com/jquery-3.6.4.min.js" > </script>

<style>

.scaff{

text-align: center;

font-weight: bold;

padding-right:500;

}

#im1{

width:12%;

height:11%;

margin-top:15px;

padding-left:450;

}

ul{

list-style-type:none;

margin:0;

padding:0;

text-align: center;

overflow:hidden;

background-color: black;;

}

li{

display:inline;

}

li a{

padding:40px;

color:white;

text-decoration: none;

}

li a:hover{

background-color: #2980b9;

}

#b1{

width:90px;

background-color:#2980b9;

color:white;

font-weight:bold;

border:none;

padding:8px;

border-radius:10px;

position: absolute;

}

.tab1{

font-size:x-large;

padding-left:90;

}

#im2{

width:60%;

height: 70%;

}

h1{

color: white;

}

td{

color: white;

}

</style>

</head>

<body style="background-color: black;">

<script>

$(document).ready(function( ) {

$('#b1').click(function( ){

var textValue = $('#cl').val( );

sessionStorage.setItem('cl', textValue);

var textValue = $('#from').val( );

sessionStorage.setItem('from', textValue);

var textValue = $('#to').val( );

sessionStorage.setItem('to', textValue);

var today = new Date( );

var dd = String(today.getDate( )).padStart(2,'0');

var mm = String(today.getMonth( ) + 1).padStart(2,'0');

var yy = today.getFullYear( );

today = yy + ' - ' + mm + ' - ' + dd;

console.log(today);

var elementDate = $('#d1').val( );

console.log(elementDate);

if (today = = = elementDate) {

alert('Today tickets are fulled');

}

else if(today > elementDate) {

alert('We cannot book tickets for past days');

}

else{

window.location.href = 'reserve.html';

}

});

$('#r1').click(function(){

alert("Fill the details")

})

});

</script>

<div class="jk">

<div class="scaff">

<img src="train.jpg" id="im1" style="float:left"><br>

<h1> INDIAN RAILWAYS </h1><br>

</div>

<ul> <br>

<li><a href="home.html" style="background-color: #2980b9;">Home</a></li>

<li><a href="traindetails.html"> View Train Details </a></li>

<li><a href="" id="r1"> Reservation </a></li>

<br><br> </ul>

<div class="form1">

<br>

<img src="ig.jpg" id="im2" style="float:right">

<br> <br> <br> <br>

<table class="tab1">

<tr>

<td><img height="20" src="from.png" width="20"> From</td>

</tr> <tr>

<td> <input type="text" name="from" id="from" style="width:250px;height: 25px;" > </td>

</tr> <tr>

<td> <img height="20" src="loc.png" width="20"> To</td>

</tr> <tr>

<td> <input type="text" name="to" id="to" style="width:250px;height: 25px;"> </td>

</tr> <tr>

<td> <img height="25" src="calendar.png" width="25"> Date </td>

</tr> <tr>

<td> <input type="date" name="date" id="d1" style="width:250px;height: 25px;"> </td>

</tr> <tr>

<td> <img height="15" src="st.png" width="15"> Class </td>

</tr> <tr>

<td> <select id="cl" style="width:250px;height: 25px;">

<option id="c1"> </option>

<option id="c2"> AC Three Tier(3A) </option>

<option id="c3"> Two Tier(2A) </option>

<option id="c4"> Economy Class </option>

<option id="c5"> AC Two Tier </option>

</select> </td>

</tr> <tr>

<td> <br> </td>

</tr> <tr> <td>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<button id="b1">Submit</button></td>

</tr> </table>

</div> </div>

</body>

</html>

***traindetails.html***

<html>

<head>

<title>Railway reservation</title>

<style>

.scaff{

text-align: center;

font-weight: bold;

padding-right:500;

}

#im1{

width:12%;

height:11%;

margin-top:15px;

padding-left:450;

}

ul{

list-style-type:none;

margin:0;

padding:0;

text-align: center;

overflow:hidden;

background-color: black;;

}

li{

display:inline;

}

li a{

padding:40px;

color:white;

text-decoration: none;

}

li a:hover{

background-color: #2980bd;

}

table,th,td{

border:1.5px solid black;

border-collapse:collapse;

}

#t1{

width:70%;

height:20%;

text-align:center;

}

th{

background-color: #2980bd;

color:white;

}

#t2{

width:70%;

height:70%;

text-align:center;

}

</style>

</head>

<body>

<div class="scaff">

<img src="train.jpg" id="im1" style="float:left"><br>

<h1> INDIAN RAILWAYS </h1><br>

</div>

<ul><br>

<li><a href="homepage.html">Home</a></li>

<li><a href="traindetails.html" style="background-color: #2980bd;"> View Train Details </a></li>

<li> <a href=""> Reservation </a> </li>

<br> <br> </ul>

<div class="tain\_detail">

<center>

<br>

<table id="t1">

<tr>

<th>Train No</th>

<th>Train Name</th>

<th>Source</th>

<th>Destination</th>

<th>Runs on</th>

</tr> <tr>

<td>3A2190P9</td>

<td>Pothigai Express</td>

<td>SENGOTTAI</td>

<td>CHENNAI EGMORE</td>

<td>SUN,TUES,WED,THURS,FRI</td>

</tr>

</table> <br>

<table id="t2">

<tr>

<th>S.No.</th>

<th>Station</th>

<th>Code</th>

<th>Arrival</th>

<th>Departure</th>

<th>Distance</th>

</tr> <tr>

<td>1</td>

<td>Sengottai</td>

<td>SCT</td>

<td>SRC</td>

<td>18:30</td>

<td> </td>

</tr> <tr>

<td>2</td>

<td>Tenkasi JN</td>

<td>TSI</td>

<td>18:44</td>

<td>18:45</td>

<td>7</td>

</tr> <tr>

<td>3</td>

<td>Sankarankovil</td>

<td>SNKL</td>

<td>19:24</td>

<td>19:25</td>

<td>44</td>

</tr> <tr>

<td>4</td>

<td>Rajapalayam</td>

<td>RJPM</td>

<td>19:48</td>

<td>19:50</td>

<td>77</td>

</tr> <tr>

<td>5</td>

<td>Srivilliputhur</td>

<td>SVPR</td>

<td>20:00</td>

<td>20:01</td>

<td>88</td>

</tr> <tr>

<td>6</td>

<td>Sivakasi</td>

<td>SVKS</td>

<td>20:14</td>

<td>20:21</td>

<td>105</td>

</tr> <tr>

<td>7</td>

<td>Tirruttangal</td>

<td>TTL</td>

<td>20:20</td>

<td>20:21</td>

<td>108</td>

</tr> <tr>

<td>8</td>

<td>Virudhunagar JN</td>

<td>VPT</td>

<td>20:40</td>

<td>20:42</td>

<td>129</td>

</tr> <tr>

<td>9</td>

<td>Madurai JN</td>

<td>MDU</td>

<td>21:25</td>

<td>21:30</td>

<td>173</td>

</tr> <tr>

<td>10</td>

<td>Dindugul JN</td>

<td>DG</td>

<td>22:30</td>

<td>22:35</td>

<td>239</td>

</tr> <tr>

<td>11</td>

<td>Villupuram</td>

<td>VM</td>

<td>03:20</td>

<td>03:25</td>

<td>510</td>

</tr> <tr>

<td>12</td>

<td>Chengalpattu</td>

<td>CGL</td>

<td>04:53</td>

<td>04:55</td>

<td>613</td>

</tr> <tr>

<td>13</td>

<td>Tambaram</td>

<td>TBM</td>

<td>05:23</td>

<td>05:25</td>

<td>644</td>

</tr> <tr>

<td>14</td>

<td>Chennai Egmore</td>

<td>MS</td>

<td>06:40</td>

<td>DSTN</td>

<td>669</td>

</tr>

</table>

</center>

</div>

</body>

</html>

***reserve.html***

<html>

<head>

<title> Railway Reservation </title>

<script src="https://code.jquery.com/jquery-3.6.4.min.js" > </script>

<style>

.scaff{

text-align: center;

font-weight: bold;

padding-right:500;

}

#im1{

width:12%;

height:11%;

margin-top:15px;

padding-left:450;

}

ul{

list-style-type:none;

margin:0;

padding:0;

text-align: center;

overflow:hidden;

background-color: black;;

}

li{

display:inline;

}

li a{

padding:40px;

color:white;

text-decoration: none;

}

li a:hover{

background-color: #2980bd;

}

table,th,td{

border:1.5px solid black;

border-collapse:collapse;

}

#t1{

width:80%;

height:30%;

text-align:center;

}

#b2{

width:170px;

background-color:#2980b9;

color:white;

font-weight:bold;

border:none;

padding:8px;

border-radius:10px;

}

</style>

</head>

<body>

<script>

$(document).ready(function( ) {

var textValue = sessionStorage.getItem('cl');

$('#cll').text(textValue);

var textValue = sessionStorage.getItem('from');

$('#fr1').text(textValue);

var textValue = sessionStorage.getItem('to');

$('#to1').text(textValue);

$('#b2').click(function( ){

var seat=$('#sno').val( );

var clas=$('#cll').text( );

var a1=$('#ac3').text( );

var a2=$('#2tier').text( );

var a3=$('#eclass').text( );

var a4=$('#ac2a').text( );

var tot;

if (clas = = = a1){

tot=$('#3A').text();

}

else if(clas = = = a2){

tot=$('#2A').text( );

}

else if(clas = = = a3){

tot=$('#ec').text( );

}

else if(clas = = = a4){

tot=$('#ac2').text( );

}

var mel= $('td:contains("' + tot+ '")');

var eid = mel.attr('id');

if(seat > parseInt(tot)){

alert("Seat not available")

}

else{

alert("Tickets are reserved.Happy Journey!!");

var res=parseInt(tot)-seat;

$('#'+eid).text(res);

}

});

});

</script>

<div class="scaff">

<img src="train.jpg" id="im1" style="float:left"><br>

<h1> INDIAN RAILWAYS </h1><br>

</div>

<ul><br>

<li><a href="homepage.html">Home</a></li>

<li><a href="traindetails.html">View Train Details</a></li>

<li><a href="reserve.html" style="background-color: #2980b9;">Reservation </a> </li> <br> <br>

</ul>

<div class="rtab1"> <br>

<center>

<table id="t1">

<tr>

<th>Train Name</th>

<th>Train No</th>

<th>From</th>

<th> To &nbsp;&nbsp; </th>

<th colspan="4">Available Seats</th>

</tr> <tr>

<td> </td>

<td> </td>

<td> </td>

<td> </td>

<td id="ac3">AC Three Tier(3A)</td>

<td id="2tier">Two Tier(2A)</td>

<td id="eclass">Economy Class</td>

<td id="ac2a">AC Two Tier</td>

</tr> <tr>

<td>Pothigai Express</td>

<td>3A2190P9</td>

<td id="fr1"></td>

<td id="to1"></td>

<td id="3A">30</td>

<td id="2A">46</td>

<td id="ec">20</td>

<td id="ac2">21</td>

</tr>

</table>

</center>

</div>

<div id="f1">

<center>

<br>

<label>Chosen Class :</label>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<label id="cll"></label><br><br>

<label>No of seats to reserve :</label>&nbsp;

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

<button id="b2">Reserve Ticket</button>

</center>

</div>

</body>

</html>

**OUTPUT :**

**RESULT:**

Thus, a web page containing the train details and reservation of seats are done using JQuery and executed successfully.