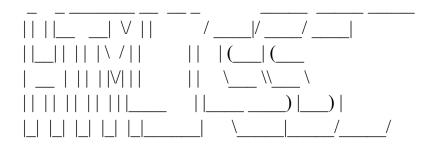# 💻 TCS Xplore UI JavaScript Hands-On Solutions

Codes copied from this website:
https://kumarweb28.wixsite.com/kumarweb/software-foundation-python
https://github.com/myname-123/tcs/tree/main/TCS%20XPLORE%20HANDS-ON/UI%20hands-on

```
 _   _ _____ __  __ _       _____  _____  _____
| | | |_   _| \/  | |     / ____|/ ___|/ ____|
| |_| | | | | \  / | |    | |    | (__| (__
|  _  | | | | |\/| | |    | |     \___ \\___ \
| | | |_| |_| |  | | |____| |____ ___) |__) |
|_| |_|_____|_|  |_|_____|\_____|____/____/
```

UI Hands on 1
<!-- Format div -->

```html
<!DOCTYPE html>
<html>
<head>
 <title>Question1</title>
</head>
<body>
 <!-- Design & Develop your code here -->
 <div style="background-color: red; color: white;" id="head" width="600"
height="200">
  <h1>My Application</h1>
 </div>

 <div id="body" width="600px" height="400px">
  <span
    style="background-color: #00FF00"
```

```
      id="span1"
      width="300px"
      height="300px"
    >
      Lorem Ipsum is simply dummy text of the printing and typesetting industry.
      Lorem Ipsum has been the industry's standard dummy text ever since the
      1500s, when an unknown printer took a galley of type and scrambled it to
      make a type specimen book.
    </span>

    <span
      id="span2"
      width="300px"
      height="300px"
      style="background-color: #0000FF"
    >
      Lorem Ipsum is simply dummy text of the printing and typesetting industry.
      Lorem Ipsum has been the industry's standard dummy text ever since the
      1500s, when an unknown printer took a galley of type and scrambled it to
      make a type specimen book.
    </span>
  </div>
</body>
</html>
```

UI Hands on 2

```
<!DOCTYPE html>
<html>
<head>
  <title>Question2</title>
</head>
<body>
  <!-- Design & Develop your code here -->
```

```html
<h1>Inventory Management System</h1>
<hr id="rule1" width="100%">

<p id="menu" style="text-align: center">
</p>

<a id="menu1" href="page1.html">Registration</a>
<a id="menu2" href="page2.html">List</a>
<a id="menu3" href="page3.html">Search</a>

<hr id="rule2" width="100%">

<footer>
  <h4>&copy; My App 2019-20.</h4>
</footer>
</body>
</html>
```

UI Hands on 3

```html
<!DOCTYPE html>
<html>
<head>
  <title>Form For Adding Books</title>
  <style>
    button {
      background-color: #2345E4;
    }
  </style>
</head>
<body>
  <h2>Add Book</h2>
  <form name="addBook">
    Book Id<br>
```

```html
    <input name="bookId" type="text"><br><br>

    Book Name<br>
    <input name="bookName" type="text"><br><br>

    Category<br>
    <select id="category">
      <option value="Action">Action</option>
      <option value="Drama">Drama</option>
      <option value="Comedy">Comedy</option>
      <option value="Children">Childrens</option>
    </select><br><br>

    <input type="radio" name="availability" value="available">Available
    <input type="radio" name="availability" value="not available">Not
Available<br><br>

    <button type="reset" name="cancel">Cancel</button>
    <button type="submit" name="add">Add</button>
  </form>
</body>
</html>
```

UI Hands on 4

```html
<!DOCTYPE html>
<html>
<head>
  <title>Question4</title>
  <style>
    #button {
      background-color: #2345E4;
    }
```

```html
    </style>
</head>
<body>
  <!-- Design & Develop your code here -->
  <form id="registerCustomer">
    <h1>Customer Registration</h1>

    Customer Id<br>
    <input type="text" name="customerId" maxlength="6" required><br>

    Customer Name<br>
    <input type="text" name="customerName" required><br>

    City<br>
    <select id="city" required>
      <option value="chennai">Chennai</option>
      <option value="mumbai">Mumbai</option>
      <option value="delhi">Delhi</option>
      <option value="trivandrum">Trivandrum</option>
    </select><br>

    <label>Gender</label><br>
    <input type="radio" name="gender" value="Male" required="required">Male
    <input type="radio" name="gender" value="Female"
required="required">Female
    <br><br>

    <input id="button" type="submit" name="create" value="Create">
    <input id="button" type="reset" name="cancel" value="Cancel">
  </form>
</body>
</html>
```

UI Hands on 5

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Customer Listing</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
      padding: 20px;
    }
    table {
      width: 100%;
      border-collapse: collapse;
      margin-top: 20px;
    }
    table, th, td {
      border: 1px solid #ccc;
    }
    th, td {
      padding: 10px;
      text-align: left;
    }
  </style>
</head>
<body>

  <h2 style="background-color:#42aaf4; padding: 10px; color: white;">Customer Listing</h2>

  <table id="custList">
    <thead>
```

```html
    <tr>
      <th>Customer Id</th>
      <th>Name</th>
      <th>Gender</th>
      <th>City</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>100001</td>
      <td>Akshay Kumar</td>
      <td>Male</td>
      <td>Chennai</td>
    </tr>
    <tr>
      <td>100002</td>
      <td>Shyama P</td>
      <td>Female</td>
      <td>Trivandrum</td>
    </tr>
    <tr>
      <td>100003</td>
      <td>Nalini Kumari</td>
      <td>Female</td>
      <td>Bangalore</td>
    </tr>
    <tr>
      <td>100004</td>
      <td>Raj Shyam</td>
      <td>Male</td>
      <td>Chennai</td>
    </tr>
    <tr>
      <td>100005</td>
      <td>Sundar G</td>
```

```
      <td>Male</td>
      <td>Mangalore</td>
    </tr>
    <tr>
      <td>100006</td>
      <td>Kishore P</td>
      <td>Male</td>
      <td>Calicut</td>
    </tr>
   </tbody>
  </table>
</body>
</html>
```

UI Hands on 6

```
<!DOCTYPE html>
<html>
<head>
  <title>Question6</title>
  <style>
    table {
      text-align: center;
    }

    th {
      background-color: #45E078;
    }

    button {
      background-color: #FF0000;
    }
```

```html
    </style>
  </head>
<body>
  <!-- Design & Develop your code here -->
  <h1 id="header">Uni Sales</h1>
  <div id="body">
    <h2>My Cart</h2>

    <input type="text" name="customerId" maxlength="6" required><br>
    Customer Name<br>
    <input type="text" name="customerName" required><br>

    <input id="button" type="submit" name="create" value="Create">
    <input id="button" type="reset" name="cancel" value="Cancel">

    <table id="myCarts" width="80%">
     <tr>
       <th>Product Name</th>
       <th>Description</th>
       <th>Unit Price</th>
       <th>Quantity</th>
       <th>Total</th>
     </tr>
     <tr>
       <td>Surf Excel</td>
       <td>Washing Powder</td>
       <td>85.00</td>
       <td>1</td>
       <td>85.00</td>
     </tr>
     <tr>
       <td>Harpic</td>
       <td>Toilet Cleaner</td>
       <td>48.00</td>
       <td>2</td>
```
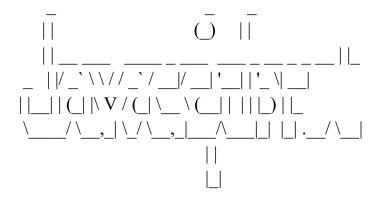
```
      <td>96.00</td>
    </tr>
  </table>
</div>

  <button style="background-color:#FF0000" type="button"
id="continue">Continue</button>
  <button style="background-color:#FF0000" type="submit"
id="checkout">Checkout</button>
</body>
</html>
```

```
       _                  _   _
      ||                 ( )  ||
      ||__  __   ___  _ ___  __ _ _  __ _ _ __ ||_
  _   ||/ _` \ \ / / _` / __|/ __| '__| | | '_ \| _|
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  \___/\__,_| \_/ \__,_|___/\___|_|  |_| .__/\__|
                             ||
                             ||
                             |_|
```

Javascript Hands on

Javascript Hands on 1

<!-- Copy paste this below code in index.html -->

<!DOCTYPE html>
<html>
<head>
  <script src="index.js"></script>

```
</head>
<body>
  <input type="button" value="show" onclick="callMe()">
</body>
</html>
```

```
<!-- Copy paste this below code in index.js -->

function callMe() {
  var Passenger = new Object();
  Passenger.name = "Arun";
  Passenger.age = 28;
  Passenger.reservedStatus = 'true';

  document.write('<div id="name">' + Passenger.name + '</div>');
  document.write('<div id="age">' + Passenger.age + '</div>');
  document.write('<div id="reservedStatus">' + Passenger.reservedStatus + '</div>');
}
```

Javascript Hands on 2

```
<!-- Copy paste this below code in index.html -->

<!DOCTYPE html>
<html>
<head>
  <title>JavaScript Array</title>
  <script src="index.js"></script>
</head>
<body>
  <div id="app">
```

Please Choose a Car to get its Details:
```
    <select id="SelectCar" onchange="displayCarDetails()">
      <option value="Innova">Innova</option>
      <option value="Dzire">Dzire</option>
      <option value="i20">i20</option>
      <option value="i10">i10</option>
    </select>
    <p id="CarDetail"></p>
  </div>
</body>
</html>
```

```
<!-- Copy paste this below code in index.js -->
let carDetails = [
  { carName: "Innova", onRoadPrice: 900000, yearOfModel: 2016 },
  { carName: "Dzire", onRoadPrice: 700000, yearOfModel: 2017 },
  { carName: "i20", onRoadPrice: 500000, yearOfModel: 2013 },
  { carName: "i10", onRoadPrice: 400000, yearOfModel: 2016 }
];

function displayCarDetails() {
  var x = document.getElementById("SelectCar").value;

  if (x == "Innova") {
    document.getElementById("CarDetail").innerHTML =
      carDetails[0].carName + "-" + carDetails[0].onRoadPrice + "-" +
carDetails[0].yearOfModel;
  } else if (x == "Dzire") {
    document.getElementById("CarDetail").innerHTML =
      carDetails[1].carName + "-" + carDetails[1].onRoadPrice + "-" +
carDetails[1].yearOfModel;
  } else if (x == "i20") {
    document.getElementById("CarDetail").innerHTML =
```

```
    carDetails[2].carName + "-" + carDetails[2].onRoadPrice + "-" +
carDetails[2].yearOfModel;
  } else {
    document.getElementById("CarDetail").innerHTML =
      carDetails[3].carName + "-" + carDetails[3].onRoadPrice + "-" +
carDetails[3].yearOfModel;
  }
}
```

Javascript Hands on 3

<!-- Copy paste this below code in index.html -->

```
<!DOCTYPE html>
<html>
<head></head>
<body>
  <div id="app">
    <form onsubmit="return getAge()">
      <label>Enter your DOB:</label>
      <input type="date" id="dob" name="dob">
      <input type="submit" value="submit">
      <p id="showresults"></p>
    </form>
  </div>
  <script src="index.js" type="text/javascript"></script>
</body>
</html>
```

<!-- Copy paste this below code in index.js -->

```
function getAge() {
  var age = document.getElementById("dob").value;
```

```javascript
  var l = age.toString();
  var kk = l.substring(0, 4);
  var year = parseInt(kk);
  var d = new Date();
  var n = d.getFullYear();
  var k = n.toString();
  var m = parseInt(k);

  if (year >= m) {
    document.getElementById("showresults").innerText = "Wrong date!!";
  } else {
    document.getElementById("showresults").innerText = "You are " + (m - year) +
" year(s) old!!";
  }
}
```

Javascript Hands on 4

```html
<!-- Copy paste this below code in index.html -->

<!DOCTYPE html>
<html>
<head>
  <title>JavaScript Loop</title>
  <script src="index.js"></script>
</head>
<body>
  <input type="button" id="generate" value="Generate Series"
onclick="SumOfSeries()">
  <p id="result"></p>
</body>
</html>
```

```
<!-- Copy paste this below code in index.js -->

function SumOfSeries() {
  var a = 0;
  var b = 1;
  var sum = 0;
  var tmp;

  while ((a < 100) && (b < 100)) {
    sum = sum + b;
    tmp = a;
    a = b;
    b = b + tmp;
  }

  document.getElementById("result").innerText = sum;
}
```