#### Pool 1

### -ART BY NAVEEN

1.Create a static website using HTML tables.

```
<html>
<head>
 <style>
    table,
    th,
    td {
     border: 1px solid black;
 </style>
</head>
<body>
 Firstname
     Lastname
     Age
   Priya
     Sharma
     24
   Arun
     Singh
     32
    Sam
     Watson
     41
```

```
</body>
</html>
```

### 2.Write a HTML program to demonstrate different types of Lists.

```
<html>
<body>
  <h2>Unordered List (u1)</h2>
  ul>
    Item 1
    Item 2
     Item 3
    Item 4
  <h2>Ordered List (ol)</h2>
  First Item
     Second Item
     Third Item
     Fourth Item
  </body>
</html>
```

### 3.Create Registration form using HTML forms

```
<html>
<body>
```

```
<h2>User Registration Form</h2>
   <form action="#" method="post">
       <label for="name">Name:</label>
       <input type="text" id="name" name="name" required><br>
       <label for="email">Email:</label>
       <input type="email" id="email" name="email" required><br>
       <label for="password">Password:</label>
       <input type="password" id="password" name="password" required><br>
       <label for="gender">Gender:</label>
       <select id="gender" name="gender" required>
           <option value="male">Male</option>
           <option value="female">Female</option>
           <option value="other">Other</option>
       </select>
       <button type="submit">Register</button>
   </form>
</body>
(/html>
```

### 4.Demonstrate different types of CSS with an example.

```
<html>
<head>
kead>
kead>
kead>
<ink rel="stylesheet" href="styles.css">
<istyle>
<ink rel="stylesheet" href="styles.css">
<istyle>
<ink rel="stylesheet" href="styles.css">
<istyle>
<ink rel="stylesheet" href="styles.css">
<istyle>
<ink rel="stylesheet" href="styles.css">
<ink rel="stylesheet" href="stylesheet" href="styles.css">
<ink rel="stylesheet" href="stylesheet" href="sty
```

```
h3 {
  color: brown;
}
```

### 5. Write a HTML Program to Create a Bio-Data form.

- 6. Write the CSS rules for a simple static website.
- a) Rule for a background image is left top of the page, tiling horizontally. The image should remain in place when the user scrolls up or down.

```
</body>
```

b) All paragraphs text 1.5 times larger than the base font of the system and colors it red (inline, embedded and external style sheet).

```
<html>
<head>
   <link rel="stylesheet" href="styles.css">
   <style>
     p {
         font-size: 1.5em;
         color: red;
   </style>
</head>
<body>
   This is a paragraph with
inline style.
   This is a paragraph with embedded style.
   This is a paragraph from external.
</body>
</html>
```

c) Rule for all H1 & H2 elements a padding of 0.5em, a grooved border style and a margin of 0.5em. (Box Model)

```
<!DOCTYPE html>
```

```
p {
  font-size: 1.5em;
  color: red;
}
```

### 7. Write a HTML program to demonstrate iFrames.

```
<h1>Hello</h1>
```

```
<h1>welcome</h1>
```

### 8. Write a java script to perform addition of matrices

```
<html>
<body>
<html>
<html

<html>
<html

<html>
<html>
<html

<html

<html>
<html

<htm
```

```
return result;
       var matrixA = [
            [1, 2, 3],
            [4, 5, 6],
            [7, 8, 9]
       ];
       var matrixB = [
            [9, 8, 7],
            [6, 5, 4],
            [3, 2, 1]
       ];
       var resultMatrix = addMatrices(matrixA, matrixB);
        document.write("Matrix A:");
        document.write(matrixA);
        document.write("<br>Matrix B:");
        document.write(matrixB);
        document.write("<br>Result Matrix:");
        document.write(resultMatrix);
   </script>
</body>
</html>
```

9. Write a java script to demonstrate functions.

```
<html>
```

```
<body>
   <h2>Simple Calculator</h2>
   <label for="num1">Number 1:</label>
   <input type="number" id="num1" required>
   <br>
   <label for="num2">Number 2:</label>
   <input type="number" id="num2" required>
   <br>
   <button onclick="add()">add</button>
   Result will be displayed here.
   <script>
       // Function to perform calculations based on user input
       function add() {
           var num1 = parseInt(document.getElementById('num1').value);
           var num2 = parseInt(document.getElementById('num2').value);
           var resultElement = document.getElementById('result');
           var result = num1 + num2;
           resultElement.textContent = 'Result: ' + result;
       }
   </script>
</body>
</html>
```

### 10. Write a java script to demonstrate DOM.

```
<html>
<body>
```

```
<h2>Simple Calculator</h2>
   <label for="num1">Number 1:</label>
   <input type="number" id="num1" required>
   <br>>
   <label for="num2">Number 2:</label>
   <input type="number" id="num2" required>
   <br>>
   <button onclick="add()">add</button>
   Result will be displayed here.
   <script>
       // Function to perform calculations based on user input
       function add() {
           var num1 = parseInt(document.getElementById('num1').value);
           var num2 = parseInt(document.getElementById('num2').value);
           var resultElement = document.getElementById('result');
           var result = num1 + num2;
           resultElement.textContent = 'Result: ' + result;
       }
   </script>
</body>
</html>
```

### 11. Write a java script to demonstrate DOM collections.

```
<html>
<body>
```

## 12.Develop a student registration from with Validation support using pattern attribute in java script.

```
<input id="email" name="email"</pre>
pattern="^[A-Za-z0-9\s]{2,30}[@][A-Za-z\s]{2,30}[.][A-Za-z\s]{2,30}$"
                required title="Enter a valid email address"><br>
            <label>Dob:</label>
            <input type="date" required><br>
            <label for="phone">Phone Number:</label>
            <input type="tel" id="phone" name="phone"</pre>
pattern="^[0-9]\d{9}$" required
                title="Enter a valid 10-digit phone"> <br>
            <label>Address
            <textarea rows="4"></textarea><br>
            <label for="gender">Gender:</label><br>
            male<input type="radio" name="gender">
            female<input type="radio" name="gender"><br><br><br>
            <input type="submit" value="Submit">
            <input type="submit" value="Reset">
        </form>
    </body>
</html>
```

# 13.Develop a student registration from with Validation support using JavaScript event handling in java script.

```
<input type="email" id="email" name="email" required>
    <span class="error" id="emailError"></span>
    <label for="age">Age:</label>
    <input type="text" id="age" name="age" required>
    <span class="error" id="ageError"></span>
    <button id="btn">Submit
</form>
<script>
    // Function to validate the form
   var x = document.getElementById("btn");
   x.addEventListener("click", validateForm);
    function validateForm() {
       var isValid = true;
        // Name validation
        var nameInput = document.getElementById('name');
        var nameError = document.getElementById('nameError');
        if (nameInput.value.trim() === '') {
            nameError.textContent = 'Name is required.';
            isValid = false;
        } else {
            nameError.textContent = '';
        }
        // Email validation
        var emailInput = document.getElementById('email');
        var emailError = document.getElementById('emailError');
        if (emailInput.value.trim() === '') {
            emailError.textContent = 'Email is required.';
            isValid = false;
        } else {
            emailError.textContent = '';
        // Age validation
        var ageInput = document.getElementById('age');
        var ageError = document.getElementById('ageError');
```

```
if (ageInput.value.trim() === '') {
            ageError.textContent = 'Age is required.';
            isValid = false;
} else {
            ageError.textContent = '';
}

if (isValid) {
            // Submit the form or perform further actions
            alert('Form submitted successfully!');
      }
            // script>

</body>
</html>
```

### 14. Write a program to demonstrate Mouse Events and Key Events.

### 15. Write a java script to demonstrate creation and modification of objects.

```
document.write("<br/>fender: " + person.gender);
}

var person1 = createPerson("John Doe", 25, "Male");

document.write("Initial Information:");
    displayPersonInfo(person1);

person1.age = 26;
    person1.gender = "Other";
    document.write("<br/>br/<br/>br/\nModified Information:");
    displayPersonInfo(person1);

</script>

</body>
</html>
```

### 16. Write a java script to demonstrate String handling methods.

```
var indexOfComma = originalString.indexOf(",");
    document.write("<br>Index of ',': " + indexOfComma);

var replacedString = originalString.replace("World", "Universe");
    document.write("<br>Replaced String: " + replacedString);

var splitArray = originalString.split(",");
    document.write("<br>Split Array: " + JSON.stringify(splitArray));

var stringWithWhitespace = " Trim me ";
    var trimmedString = stringWithWhitespace.trim();
    document.write("<br>Original String with Whitespace: '" +
stringWithWhitespace + "'");
    document.write("<br>Trimmed String: '" + trimmedString + "'");
</body>
</body>
</body>
</body>
</body>
</body>
</body>
</body>
```

#### 17. Write a java script to demonstrate Math Object.

```
document.write("<br>Math.ceil(4.3) = " + Math.ceil(4.3)); //
Ceiling
        document.write("<br/>br>Math.floor(4.7) = " + Math.floor(4.7)); //
Floor
        document.write("<br/>br>Math.round(4.5) = " + Math.round(4.5)); //
Round
        document.write("<br/>br>Math.sin(30 degrees) = " + Math.sin(30 *
radians)); // Sine
        document.write("<br/>br>Math.cos(60 degrees) = " + Math.cos(60 *
radians)); // Cosine
        document.write("<br/>br>Math.tan(45 degrees) = " + Math.tan(45 *
radians)); // Tangent
        document.write("<br>Math.random() = " + Math.random()); // Random
number between 0 and 1
        // Math Constants
        document.write("<br>Math.PI = " + Math.PI); // π
        document.write("<br>Math.E = " + Math.E); // Euler's number
    </script>
</body>
(/html>
```

### 18. Write a java script to demonstrate Pop-up boxes.

```
alert("I am an alert box!");
        }
        function myFunction1() {
            var txt;
            if (confirm("Press a button!")) {
                txt = "You pressed OK!";
            } else {
                txt = "You pressed Cancel!";
            document.getElementById("demo").innerHTML = txt;
        function myFunction2() {
            let text;
            let person = prompt("Please enter your name:", "Harry
Potter");
            if (person == null || person == "") {
                text = "User cancelled the prompt.";
            } else {
                text = "Hello " + person + "! How are you today?";
            document.getElementById("demo").innerHTML = text;
   </script>
</body>
</html>
```

### 19. Write a java script to demonstrate Date Object.

### 20. Write a java script to demonstrate Arrays.