LOYOLA ACADEMY

DEGREE & PG COLLEGE

OLD ALWAL, SECUNDERABAD - 500 010,
TELANGANA, INDIA

An Autonomous Institution Affiliated to Osmania University

Re-accredited with 'A' Grade (III Cycle) by NAAC

A "College with Potential for Excellence" by UGC

Practical Record

CERTIFICATE

This is to certify that this is a Bonafide record work done in ----------
practical during - ---year ----- semester of the academic year 202 —202-

Name:

UID No:

Class:

Signature of Internal **Signature of HoD**

Signature of External **Signature of Principal**

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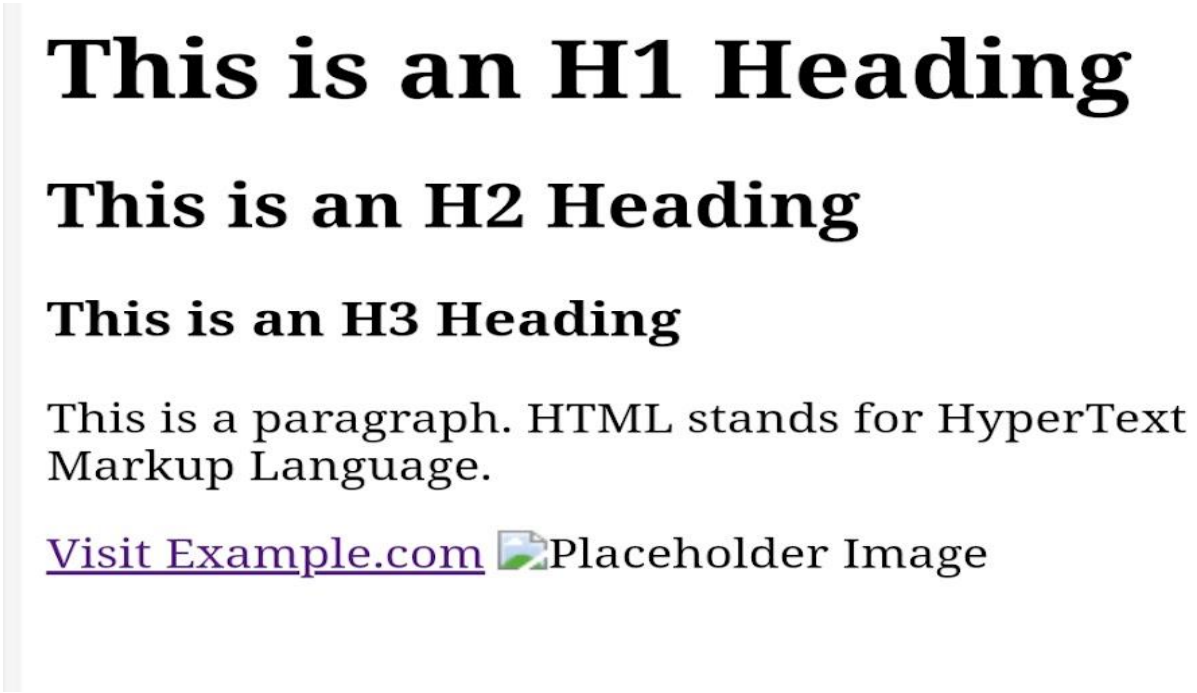
Program No:01 **Date:**

Programs to demonstrate on basic HTML tags.

```
<!DOCTYPE html> <html lang="en">
<head>
<title>Basic HTML Tags</title>
</head>
<body>
<h1>This is an H1 Heading</h1>
<h2>This is an H2 Heading</h2>
<h3>This is an H3 Heading</h3> <p>This is a paragraph. HTML stands for HyperText Markup
Language.</p> <a href="https://www.example.com"
target="_blank">Visit Example.com</a
<img
src="https://via.placeholder.com/150"
alt="Placeholder Image">
</body>
</html>
```

Output:

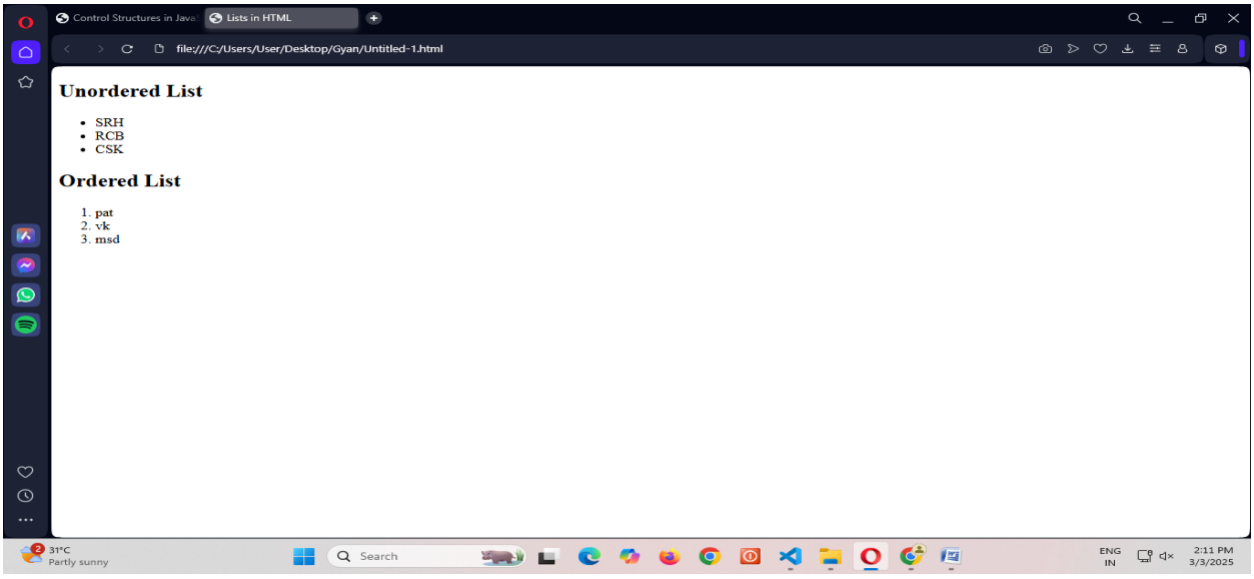


Program No:02 **Date:**

Programs to demonstrate on different types of lists.

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>Lists in HTML</title>
</head>
<body>
<h2>Unordered List</h2>
<ul type:circle>
<li>SRH</li>
<li>RCB</li>
<li>CSK</li>
</ul>
<h2>Ordered List</h2>
<ol>
<li>pat</li>
<li>vk</li>
<li>msd</li>
</ol>
</body>
</html>
```

OUTPUT:

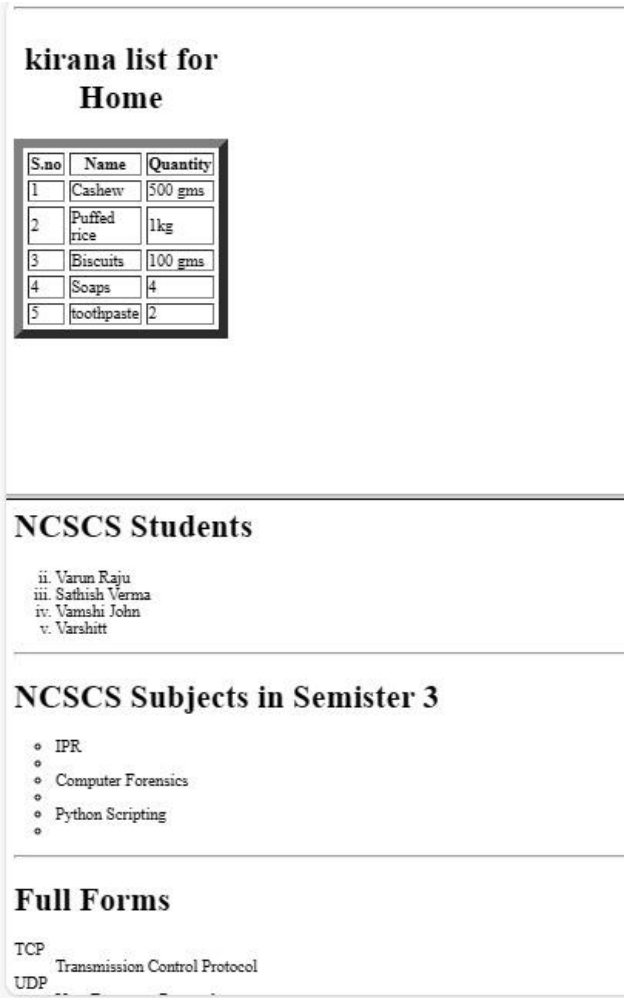


Program No:03 **Date:**

Programs to demonstrate on frames, forms, table creation.

```
<html>
<head>
<title> Frame Usage </title>
</head>
<frameset rows="50%","*">
<framesrc="Downloads">
<framesrc="prog 3 part 2.html">
<frameset>
</html>
```

Output:



kirana list for Home

S.no	Name	Quantity
1	Cashew	500 gms
2	Puffed rice	1kg
3	Biscuits	100 gms
4	Soaps	4
5	toothpaste	2

NCSCS Students

ii. Varun Raju
iii. Sathish Verma
iv. Vamshi John
v. Varshitt

NCSCS Subjects in Semister 3

- IPR
- Computer Forensics
- Python Scripting

Full Forms

TCP Transmission Control Protocol
UDP

Program No:03 **Date:**

Programs to demonstrate on frames, forms, table creation.

```
<!DOCTYPE html> <html lang="en">
<head>
<title>Tables in HTML</title>
</head>
<body>
<h2>Table Example</h2>
<table border="1">
<tr>
<th>Header 1</th>
<th>Header 2</th>
<th>Header 3</th>
</tr>
<tr>
<td>Row 1, Cell 1</td>
<td>Row 1, Cell 2</td>
<td>Row 1, Cell 3</td>
</tr>
<tr>
<td>Row 2, Cell 1</td>
<td>Row 2, Cell 2</td>
<td>Row 2, Cell 3</td>
</tr>
<tr>
<td>Row 3, Cell 1</td>
<td>Row 3, Cell 2</td>
<td>Row 3, Cell 3</td>
</tr>
```

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

OUTPUT:

Table Example

Header 1	Header 2	Header 3
Row 1, Cell 1	Row 1, Cell 2	Row 1, Cell 3
Row 2, Cell 1	Row 2, Cell 2	Row 2, Cell 3
Row 3, Cell 1	Row 3, Cell 2	Row 3, Cell 3

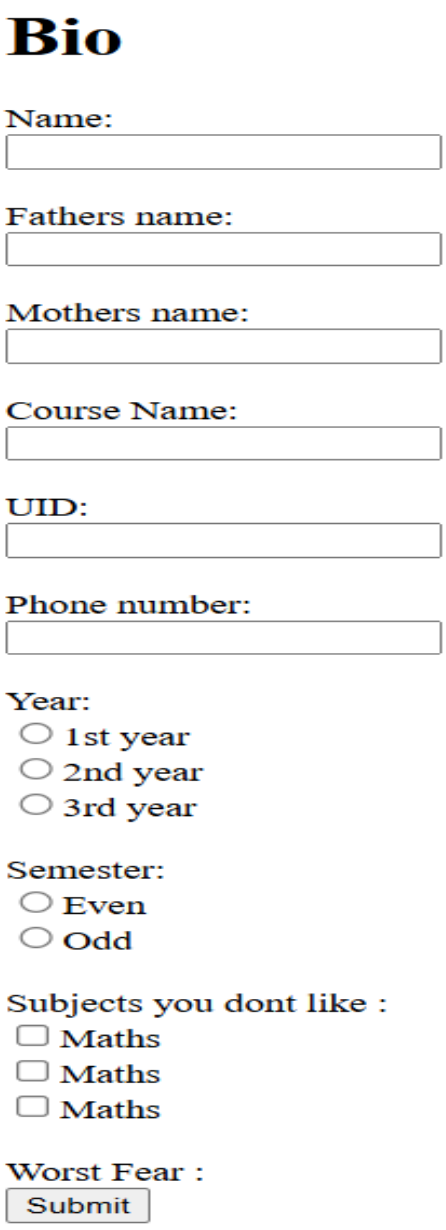
Program No:03 **Date:**

Programs to demonstrate on frames, forms, table creation.

```
<!doctype html>
<html>
<head>
<title> registartion form </title>
</head>
<body><h1> Bio </h1>
<form>
<label>Name:</label><br>
<inputtype="text" required><br><br>
<label>Fathers name:</label><br>
<inputtype="text" required><br><br>
<label>Mothers name:</label><br>
<inputtype="text" required><br><br>
<label>Course Name:</label><br>
<inputtype="text" required><br><br>
<label>UID:</label><br>
<input type="text" required><br><br>
<label>Phone number:</label><br>
<input type="Number" required><br><br>
<label>Year:</label><br>
<input type="radio" required>1st year<br>
<input type="radio" required>2nd year<br>
<input type="radio" required>3rd year<br><br>
<label> Semester:</label><br>
<input type="radio" required>Even<br>
<input type="radio" required>Odd<br><br>
<label>Subjects you dont like :</label><br>
<input type="checkbox" required>Maths<br>
<input type="checkbox" required>Maths<br>
<input type="checkbox" required>Maths<br><br>
<label>Worst Fear :</label><br>
<text area rows="50" cols="100">
</text area>
<input type="submit"></br>
```

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

OUTPUT:



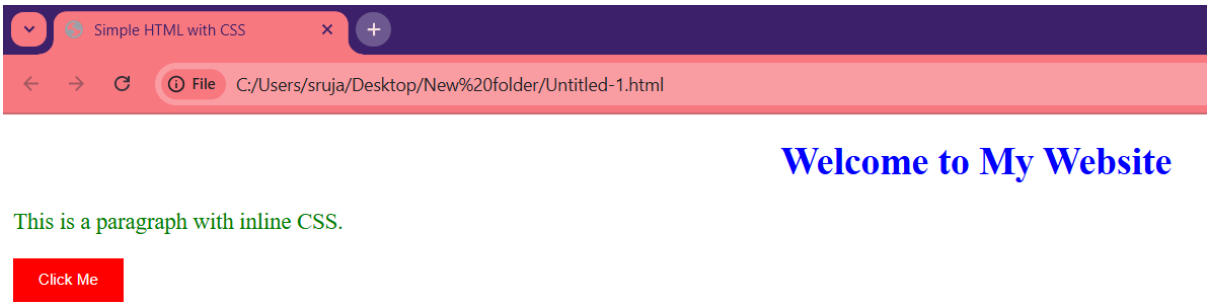
Program No:04 **Date:**

Programs to demonstrate on inline, external, embedded style sheets.

Inline:

```
<!DOCTYPE html>
<html >
<head>
   <title>=HTML with inline CSS</title>
</head>
<body>
   <h1 style="color: blue; text-align: center;">Welcome to My Website</h1>
   <p style="color: green; font-size: 18px;">This is a paragraph with inline CSS.</p>
   <button style="background-color: red; color: white; padding: 10px 20px; border:
none; cursor: pointer;">Click Me</button>
</body>
</html>
```

OUTPUT:



Program No:04 **Date:**

Programs to demonstrate on inline, external, embedded style sheets.

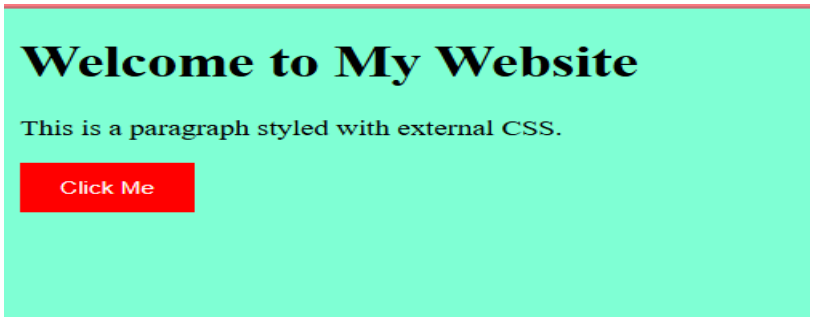
External:

```
<!DOCTYPE html>
<html >
<head>
   <title>Simple HTML with CSS</title>
   <link rel="stylesheet" href="style.css.css">
</head>
<body>
   <h1>Welcome to My Website</h1>
   <p>This is a paragraph styled with external CSS.</p>
   <button class="btn">Click Me</button>
</body>
</html>
```

CSS CODE:

```
.btn {
   background-color: red;
   color: white;
   padding: 10px 20px;
   border: none;
   cursor: pointer;
}
body{
   background-color: aquamarine;
}
```

OUTPUT:



Program No:05 **Date:**

PROGRAMS TO DEMONSTRATE CONTROL STRUCTURES.

FINDING THE BIGGEST NUMBER FROM THE 5 VALUES

```
let a=Number(prompt(&amp;quot;give the value for a:&amp;quot;))
let b=Number(prompt(&amp;quot;give the value for b:&amp;quot;))
let c=Number(prompt(&amp;quot;give the value for c:&amp;quot;))
let d=Number(prompt(&amp;quot;give the value for d:&amp;quot;))
let e=Number(prompt(&amp;quot;give the value for e:&amp;quot;))
if((a&amp;gt;b)&amp;amp;&amp;amp;(a&amp;gt;c)&amp;amp;&amp;amp;(a&amp;gt;d)&amp;amp;&amp;amp;(a&amp;gt;e)){
console.log(&amp;quot;a is biggest&amp;quot;)
}
else if((b&amp;gt;c)&amp;amp;&amp;amp;(b&amp;gt;d)&amp;amp;&amp;amp;(b&amp;gt;e)){
console.log(&amp;quot;b is biggest&amp;quot;)
}
else if((c&amp;gt;d)&amp;amp;&amp;amp;(c&amp;gt;e)){
console.log(&amp;quot;c is biggest&amp;quot;)
}
else if((d&amp;gt;e)){
console.log(&amp;quot;d is biggest&amp;quot;)
}
else{
console.log(&amp;quot;e is biggest&amp;quot;)
}
```

Output:

```
give the value for a:12
give the value for b:44
give the value for c:66
give the value for d:88
give the value for e:123
e is biggest
```

Program No:05 **Date:**

USING LOOP FOR PRINTING NUMBER SERIES

FOR LOOP:

```
let s = "";
for (let a = 1; a <= 10; a++) {
  s += a + " ";
}
console.log(s);
```

OUTPUT:

1 2 3 4 5 6 7 8 9 10

WHILE LOOP:

```
let a =1
let s=" "
while(a<=10)
{
 //console.log(a)
 s+=a++ + " "
}
console.log(s)
```

OUTPUT:

1 2 3 4 5 6 7 8 9 10

Do-While loop:

```
let a= 1
let s=" "
do{

   s+=a++ + " "
```

```
}while(a<=10)
 console.log(s)
```

OUTPUT:

1 2 3 4 5 6 7 8 9 10

Program No:05 **Date:**

PROGRAMS TO DEMONSTRATE CONTROL STRUCTURES.

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Control Structures in JavaScript</title>
</head>
<body>
   <h2>JavaScript Control Structures</h2>

   <!-- Buttons for each control structure -->
   <button onclick="whileLoopExample()">While Loop</button>
   <button onclick="doWhileLoopExample()">Do-While Loop</button>
   <button onclick="ifElseExample()">If-Else</button>
   <button onclick="switchCaseExample()">Switch Case</button>
   <!-- Input fields for If-Else and Switch Case -->
   <br><br>
   <label>Enter three numbers for If-Else:</label>
   <input type="number" id="num1" placeholder="Number 1">
   <input type="number" id="num2" placeholder="Number 2">
   <input type="number" id="num3" placeholder="Number 3">
   <br><br>
   <label>Enter a number (1-7) for Switch Case:</label>
   <input type="number" id="dayInput" placeholder="Day (1-7)">
   <!-- Output display -->
```

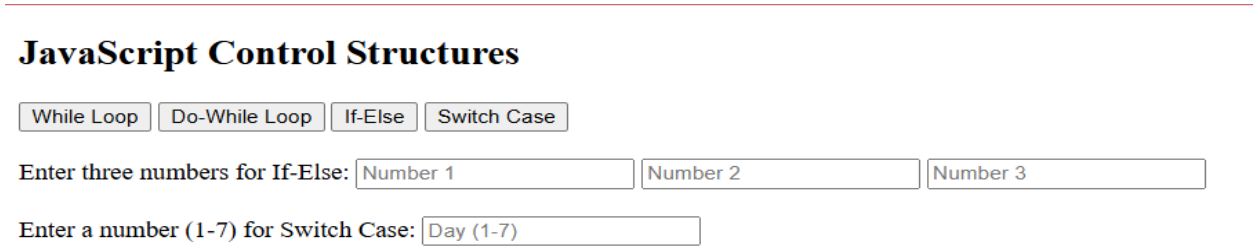
```
<p id="output"></p>
<script>
    // While Loop Example (Prints numbers 1 to 5)
    function whileLoopExample() {
        let i = 1;
        let result = "While Loop: ";
        while (i <= 5) {
            result += i + " ";
            i++;
        }
        document.getElementById("output").innerText = result;
    }
    // Do-While Loop Example (Prints numbers 1 to 5)
    function doWhileLoopExample() {
        let i = 1;
        let result = "Do-While Loop: ";
        do {
            result += i + " ";
            i++;
        } while (i <= 5);
        document.getElementById("output").innerText = result;
    }
    // If-Else Example (Finds the largest of three numbers)
    function ifElseExample() {
        let num1 = parseFloat(document.getElementById("num1").value);
        let num2 = parseFloat(document.getElementById("num2").value);
        let num3 = parseFloat(document.getElementById("num3").value);
```

```
    if (isNaN(num1) || isNaN(num2) || isNaN(num3)) {
        document.getElementById("output").innerText = "Please enter all three numbers.";
        return;
    }
    let largest;
    if (num1 >= num2 && num1 >= num3) {
        largest = num1;
    } else if (num2 >= num1 && num2 >= num3) {
        largest = num2;
    } else {
        largest = num3;
    }
    document.getElementById("output").innerText = "Largest number: " + largest;
}
// Switch Case Example (Displays the day of the week)
function switchCaseExample() {
    let day = parseInt(document.getElementById("dayInput").value);
    let dayName;
    switch (day) {
        case 1: dayName = "Sunday"; break;
        case 2: dayName = "Monday"; break;
        case 3: dayName = "Tuesday"; break;
        case 4: dayName = "Wednesday"; break;
        case 5: dayName = "Thursday"; break;
        case 6: dayName = "Friday"; break;
        case 7: dayName = "Saturday"; break;
```

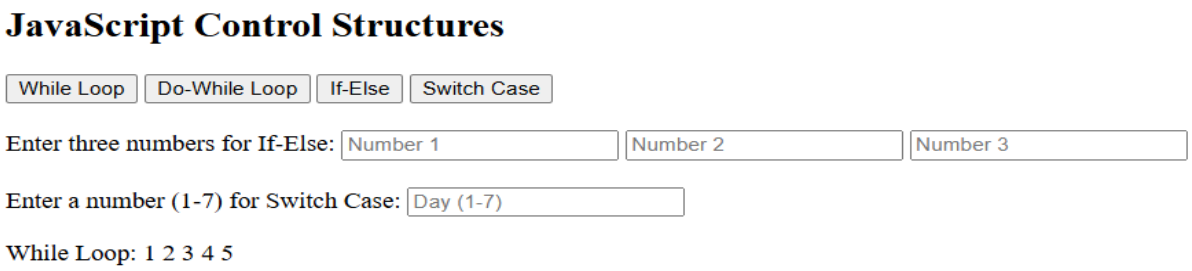
```
            default: dayName = "Invalid input! Enter a number between 1-7.";
        }

        document.getElementById("output").innerText = "Day: " + dayName;
    }
  </script>
</body>
</html>
```

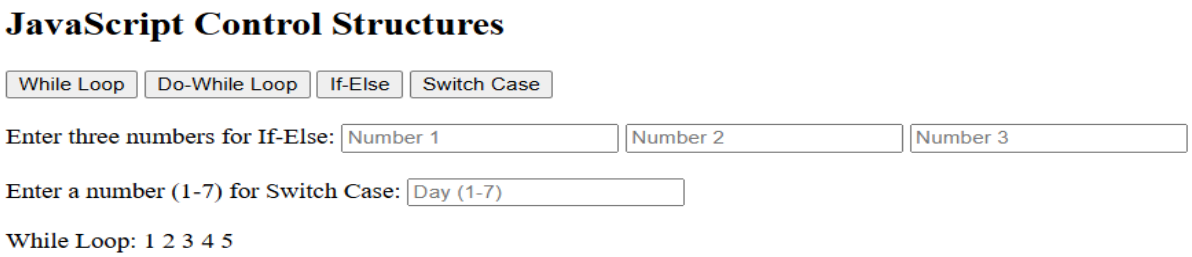
Output:



While loop:



Do while loop:



If else statement:

JavaScript Control Structures

While Loop | Do-While Loop | If-Else | Switch Case

Enter three numbers for If-Else: 7 8 10

Enter a number (1-7) for Switch Case: Day (1-7)

Largest number: 10

Switch case:

JavaScript Control Structures

While Loop | Do-While Loop | If-Else | Switch Case

Enter three numbers for If-Else: Number 1 Number 2 Number 3

Enter a number (1-7) for Switch Case: 4

Day: Wednesday

Program No:06 **Date:**

PROGRAMS TO DEMONSTRATE ON FUNCTIONS, ARRAYS.

ARRAYS:

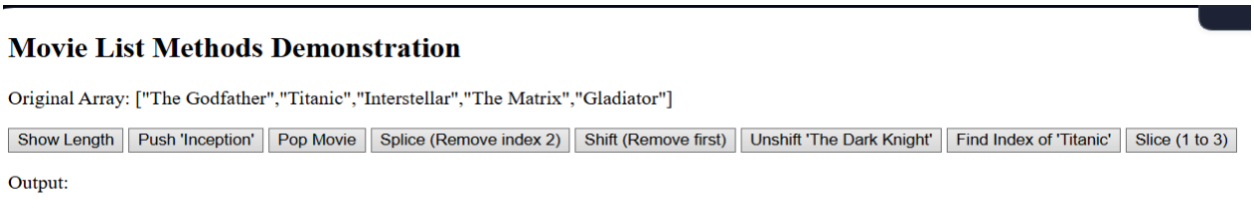
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Array Methods Demo</title>
</head>
<body>
    <h2>Array Methods Demonstration</h2>
    <p>Original Array: <span id="arrayDisplay"></span></p>
    <button onclick="showLength()">Show Length</button>
    <button onclick="pushElement()">Push 'Mango'</button>
    <button onclick="popElement()">Pop Element</button>
    <button onclick="spliceElement()">Splice (Remove index 2)</button>
    <button onclick="shiftElement()">Shift (Remove first)</button>
    <button onclick="unshiftElement()">Unshift 'Grapes'</button>
    <button onclick="indexOfElement()">Find Index of 'Banana'</button>
    <button onclick="sliceArray()">Slice (1 to 3)</button>
    <p>Output: <span id="output"></span></p>
    <script>
        // Declare an array of strings
        let fruits = ["Apple", "Banana", "Orange", "Pineapple", "Grapes"];
        // Display initial array
```

```
document.getElementById("arrayDisplay").innerText = JSON.stringify(fruits);


function updateDisplay() {
    document.getElementById("arrayDisplay").innerText = JSON.stringify(fruits);
}
function showLength() {
    document.getElementById("output").innerText = "Array Length: " + fruits.length;
}
function pushElement() {
    fruits.push("Mango");
    document.getElementById("output").innerText = "'Mango' added.";
    updateDisplay();
}
function popElement() {
    let removed = fruits.pop();
    document.getElementById("output").innerText = "Popped: " + removed;
    updateDisplay();
}
function spliceElement() {
    let removed = fruits.splice(2, 1);
    document.getElementById("output").innerText = "Spliced: " + removed;
    updateDisplay();
}
function shiftElement() {
    let removed = fruits.shift();
    document.getElementById("output").innerText = "Shifted: " + removed;
    updateDisplay();
```

```
        }
        function unshiftElement() {
            fruits.unshift("Grapes");
            document.getElementById("output").innerText = "'Grapes' added at start.";
            updateDisplay();
        }
        function indexOfElement() {
            let index = fruits.indexOf("Banana");
            document.getElementById("output").innerText = "Index of 'Banana': " + (index !== -1 ? index
: "Not Found");
        }
        function sliceArray() {
            let sliced = fruits.slice(1, 3);
            document.getElementById("output").innerText = "Sliced: " + JSON.stringify(sliced);
        }
    </script>
</body>
</html>
```

Output:



Length:

Push:

Movie List Methods Demonstration

Original Array: ["The Godfather","Titanic","Interstellar","The Matrix","Gladiator","Inception"]

Show Length | Push 'Inception' | Pop Movie | Splice (Remove index 2) | Shift (Remove first) | Unshift 'The Dark Knight' | Find Index of 'Titanic' | Slice (1 to 3)

Output: 'Inception' added.

Pop:

Movie List Methods Demonstration

Original Array: ["The Godfather","Titanic","Interstellar","The Matrix","Gladiator"]

Show Length | Push 'Inception' | Pop Movie | Splice (Remove index 2) | Shift (Remove first) | Unshift 'The Dark Knight' | Find Index of 'Titanic' | Slice (1 to 3)

Output: Popped: Inception

Splice:

Movie List Methods Demonstration

Original Array: ["The Godfather","Titanic","The Matrix","Gladiator"]

Show Length | Push 'Inception' | Pop Movie | Splice (Remove index 2) | Shift (Remove first) | Unshift 'The Dark Knight' | Find Index of 'Titanic' | Slice (1 to 3)

Output: Spliced: Interstellar

Shift:

Movie List Methods Demonstration

Original Array: ["Titanic","The Matrix","Gladiator"]

Show Length | Push 'Inception' | Pop Movie | Splice (Remove index 2) | Shift (Remove first) | Unshift 'The Dark Knight' | Find Index of 'Titanic' | Slice (1 to 3)

Output: Shifted: The Godfather

Unshift:

Movie List Methods Demonstration

Original Array: ["The Dark Knight","Titanic","The Matrix","Gladiator"]

Show Length | Push 'Inception' | Pop Movie | Splice (Remove index 2) | Shift (Remove first) | Unshift 'The Dark Knight' | Find Index of 'Titanic' | Slice (1 to 3)

Output: 'The Dark Knight' added at start.

Find:

Movie List Methods Demonstration

Original Array: ["The Dark Knight","Titanic","The Matrix","Gladiator"]

Show Length | Push 'Inception' | Pop Movie | Splice (Remove index 2) | Shift (Remove first) | Unshift 'The Dark Knight' | Find Index of 'Titanic' | Slice (1 to 3)

Output: Index of 'Titanic': 1

Slice:

Movie List Methods Demonstration

Original Array: ["The Dark Knight","Titanic","The Matrix","Gladiator"]

Show Length | Push 'Inception' | Pop Movie | Splice (Remove index 2) | Shift (Remove first) | Unshift 'The Dark Knight' | Find Index of 'Titanic' | Slice (1 to 3)

Output: Sliced: ["Titanic","The Matrix"]

Program No:06 **Date:**

PROGRAMS TO DEMONSTRATE ON FUNCTIONS, ARRAYS.

FUNTIONS:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Area Calculation</title>
</head>
<body>
    <h2>Area Calculation</h2>
    <!-- Input fields -->
    <label>Enter radius for Circle:</label>
    <input type="number" id="radius" placeholder="Radius">
    <button onclick="calculateCircleArea()">Calculate Circle Area</button>
    <br><br>
    <label>Enter side for Square:</label>
    <input type="number" id="side" placeholder="Side">
    <button onclick="calculateSquareArea()">Calculate Square Area</button>
    <br><br>
    <label>Enter length & width for Rectangle:</label>
    <input type="number" id="length" placeholder="Length">
    <input type="number" id="width" placeholder="Width">
    <button onclick="calculateRectangleArea()">Calculate Rectangle Area</button>
    <br><br>
    <!-- Output display -->
```

```
<p id="output"></p>
<script>
    // Function to calculate the area of a circle
    function calculateCircleArea() {
        let radius = parseFloat(document.getElementById("radius").value);
        if (isNaN(radius) || radius <= 0) {
            document.getElementById("output").innerText = "Please enter a valid radius.";
            return;
        }
        let area = Math.PI * radius * radius;
        document.getElementById("output").innerText = "Circle Area: " + area.toFixed(2);
    }
    // Function to calculate the area of a square
    function calculateSquareArea() {
        let side = parseFloat(document.getElementById("side").value);
        if (isNaN(side) || side <= 0) {
            document.getElementById("output").innerText = "Please enter a valid side length.";
            return;
        }
        let area = side * side;
        document.getElementById("output").innerText = "Square Area: " + area.toFixed(2);
    }
    // Function to calculate the area of a rectangle
    function calculateRectangleArea() {
        let length = parseFloat(document.getElementById("length").value);
        let width = parseFloat(document.getElementById("width").value);
        if (isNaN(length) || isNaN(width) || length <= 0 || width <= 0) {
```

```
            document.getElementById("output").innerText = "Please enter valid length and width.";
            return;
        }
        let area = length * width;
        document.getElementById("output").innerText = "Rectangle Area: " + area.toFixed(2);
    }
  </script>
</body>
</html>
```

Output:

Area of circle:

Area Calculation

Enter radius for Circle: 6.9 Calculate Circle Area

Enter side for Square: 4 Calculate Square Area

Enter length & width for Rectangle: 6 9 Calculate Rectangle Area

Circle Area: 149.57

Area of square:

Area Calculation

Enter radius for Circle: 6.9 Calculate Circle Area

Enter side for Square: 4 Calculate Square Area

Enter length & width for Rectangle: 6 9 Calculate Rectangle Area

Square Area: 16.00

Area of rectangle:

Area Calculation

Enter radius for Circle: 6.9 Calculate Circle Area

Enter side for Square: 4 Calculate Square Area

Enter length & width for Rectangle: 6 9 Calculate Rectangle Area

Rectangle Area: 54.00

Program No:09 **Date:**

PROGRAM TO DISPLAY CONTROL STRUCTURES IN PHP

```
<html>
<body>
<h1>CONTROL STATEMENTS</h1>
<?php
echo "<h4>a=69,b=69.420<h4><br>";
$a=69;
$b=69.420;
if($a>$b){
echo " a is biggest ";
}
else{
echo " b is biggest";
}
?>
<h1>LOOPING STATEMENTS</h1>
<?php
for($a=69;$a<=420;$a++)
{echo $a." ";
}
?>
<h1>JUMPING STATEMENTS</h1>
<?php
for ($a=50;$a<100;$a++) {
   if ($a==69) {
      echo "<br>Skipping a = $a<br>";
```

```
        continue;
    }
    echo $a." ";
}
```

Output:

CONTROL STATEMENTS

a=69,b=69.420

b is biggest

LOOPING STATEMENTS

69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420

JUMPING STATEMENTS

50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68

Skipping a = 69

70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

Program No:07 **Date:**

Program to demonstrate concept of XML documents

```
<?xml version="1.0" encoding="UTF-8"?>
<bookstore>
<book>
<title>Harry Potter</title>
<author>JK Rowling</author>
<year>2000</year>
<price>$29.99</price>
</book>
<book>
<title>Lord Of The Rings</title>
<author>JRR Martin</author>
<year>2007</year>
<price>$49.99</price>
</book>
</bookstore>
```

Output: