1)A)

**Index.html**

<html>

<head>

<title>Multiplication Table Generator</title>

<style>

body {

font-family: Arial;

text-align: center;

margin-top: 50px;

}

#output {

margin-top: 20px;

font-size: 18px;

}

</style>

</head>

<body>

<h1>Multiplication Table Generator</h1>

<button onclick="generateTable()">Generate Table</button>

<div id="output"></div>

<script src="server.js"></script>

</body>

</html>

**Server.js**

function generateTable() {

var num = prompt("Enter a number:");

var outputDiv = document.getElementById("output");

num = Number(num);

var result = "<h3>Table of " + num + "</h3>";

for (var i = 1; i <= 10; i++) {

result += num + " x " + i + " = " + (num \* i) + "<br>";

}

outputDiv.innerHTML = result;

}

**Output:-**

**1)b)**

**Program:-**

**Selector.html**

<html >

<head>

<title>Element Selectors Example</title>

<style>

.highlight {

color: green;

font-weight: bold;

}

</style>

</head>

<body>

<h1 id="mainHeading">Hello from Heading</h1>

<p class="highlight">This is a paragraph with a class.</p>

<p>This is a paragraph with a tag selector.</p>

<button onclick="selectElements()">Select Elements</button>

<script>

function selectElements() {

// Select by ID

var heading = document.getElementById("mainHeading");

heading.style.color = "blue";

// Select by Class

var highlightPara = document.getElementsByClassName("highlight")[0];

highlightPara.innerHTML = "Class selected and changed!";

// Select by Tag

var firstPara = document.getElementsByTagName("p")[1];

firstPara.style.fontStyle = "italic";

// Select using querySelector

var h1 = document.querySelector("h1");

h1.innerHTML += " [Modified]";

}

</script>

</body>

</html>

**Output:-**

**1)c)**

**Program:-**

**Event.html**

<html >

<head>

<title>Event Listener Example</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin-top: 50px;

}

#message {

margin-top: 20px;

font-size: 18px;

color: green;

}

</style>

</head>

<body>

<h1>JavaScript Event Listener Demo</h1>

<button id="myButton">Click Me</button>

<div id="message"></div>

<script>

var button = document.getElementById("myButton");

var message = document.getElementById("message");

button.addEventListener("click", function() {

message.innerHTML = "You clicked the button using an event listener!";

});

</script>

</body>

</html>

Output:-

**1)d)**

**Aim:-**

**Program:-**

**Clickevent.html**

<html>

<head>

<title>Click Event Handler</title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

margin-top: 40px;

}

button {

margin: 10px;

padding: 10px 20px;

font-size: 16px;

}

#output {

margin-top: 20px;

font-size: 18px;

color: blue;

}

</style>

</head>

<body>

<h1>Click Event Handling Example</h1>

<button id="btn1">Say Hello</button>

<button id="btn2">Show Time</button>

<button id="btn3">Clear Message</button>

<div id="output"></div>

<script>

const btn1 = document.getElementById("btn1");

const btn2 = document.getElementById("btn2");

const btn3 = document.getElementById("btn3");

const output = document.getElementById("output");

btn1.addEventListener("click", function() {

output.innerHTML = "Hello, welcome to JavaScript!";

});

btn2.addEventListener("click", function() {

const now = new Date();

output.innerHTML = "Current time: " + now.toLocaleTimeString();

});

btn3.addEventListener("click", function() {

output.innerHTML = "";

});

</script>

</body>

</html>

**Output:-**

**1)e)**

**Program:-**

**Function.html**

<html>

<head>

<title>JavaScript Function Types</title>

<style>

body {

font-family: Arial;

text-align: center;

margin-top: 40px;

}

button {

margin: 10px;

padding: 10px 20px;

}

#result {

margin-top: 20px;

font-size: 18px;

}

</style>

</head>

<body>

<h2>JavaScript Function Types Demo</h2>

<button onclick="greetUser()">Function Declaration</button>

<button onclick="calculateSum()">Function defination</button>

<button onclick="showDate()">Arrow Function</button>

<div id="result"></div>

<script>

function greetUser() {

document.getElementById("result").innerHTML = "Hello from a Function Declaration!";

}

var calculateSum = function() {

let a = 5, b = 7;

document.getElementById("result").innerHTML = "Sum (Function Expression): " + (a + b);

};

var showDate = () => {

let today = new Date();

document.getElementById("result").innerHTML = "Today's Date: " + today.toDateString();

};

</script>

</body>

</html>