1. HTML document with images and profile links

```
<html>
<body>
<a href="https://yourprofile.com"><img src="yourimage.jpg" width="200" height="200"></a>
<a href="https://friendsprofile.com"><img src="friendimage.jpg" width="200" height="200"></a>
</body>
</html>
```

2. Thumbnail image gallery

```html
<html>
<body>
<a href="image1.jpg"><img src="thumb1.jpg" width="100" height="100"></a>
<a href="image2.jpg"><img src="thumb2.jpg" width="100" height="100"></a>
<a href="image3.jpg"><img src="thumb3.jpg" width="100" height="100"></a>
</body>
</html>
```

3. Class timetable using HTML tables

```html
<html>
<body>
<table border="1">
<tr><th>Day</th><th>9-10</th><th>10-11</th><th>11-12</th></tr>
<tr><td>Monday</td><td>Math</td><td>Physics</td><td>English</td></tr>
<tr><td>Tuesday</td><td>Chemistry</td><td>Math</td><td>CS</td></tr>
</table>
</body>
</html>
```

4. Embed audio and video

```html
<html>
<body>
<audio controls>
  <source src="audio.mp3" type="audio/mpeg">
</audio>
<video width="320" height="240" controls>
  <source src="video.mp4" type="video/mp4">
</video>
</body>
</html>
```

5. CSS background image fixed halfway and horizontally

```
<html>
<head>
<style>
body {
  background-image: url('bg.jpg');
  background-repeat: no-repeat;
  background-position: center 50%;
  background-attachment: fixed;
}
</style>
</head>
<body>
<h1>Content</h1>
<p>Scroll to see the background stay fixed.</p>
</body>
</html>
```

6. Prompt dialogue for voter details

```
<html>
<body>
<script>
let name = prompt("Enter your name:");
let age = prompt("Enter your age:");
let status = (age >= 18) ? "Can Vote" : "Cannot Vote";
document.write("<table border='1'><tr><th>Name</th><th>Age</th><th>Status</th></tr>");
document.write("<tr><td>" + name + "</td><td>" + age + "</td><td>" + status + "</td></tr></table>");
</script>
</body>
</html>
```

7. Three integers comparison

```html
<html>
<body>
<script>
let a = parseInt(prompt("Enter first number:"));
let b = parseInt(prompt("Enter second number:"));
let c = parseInt(prompt("Enter third number:"));
let result;
if (a == b && b == c) result = "EQUAL NUMBERS";
else {
  let max = Math.max(a, b, c);
  result = max + " LARGER NUMBER";
}
document.write("<p>" + result + "</p>");
</script>
</body>
</html>
```

8. Node.js switch case weekdays

```
const day = new Date().getDay();
switch(day) {
  case 0: console.log("Sunday"); break;
  case 1: console.log("Monday"); break;
  case 2: console.log("Tuesday"); break;
  case 3: console.log("Wednesday"); break;
  case 4: console.log("Thursday"); break;
  case 5: console.log("Friday"); break;
  case 6: console.log("Saturday"); break;
  default: console.log("Invalid day");
}
```

9. Node.js Armstrong number

```
const num = 153;
let sum = 0;
let temp = num;
while (temp > 0) {
  let digit = temp % 10;
  sum += digit ** 3;
  temp = Math.floor(temp / 10);
}
if (sum === num) console.log("ARMSTRONG NUM");
else console.log("Not ARMSTRONG NUM");
```

10. Factorial webpage

```html
<html>
<body>
<input type="number" id="num"><button onclick="factorial()">Submit</button>
<p id="result"></p>
<script>
function factorial() {
  let n = document.getElementById("num").value;
  let res = 1;
  for (let i = 1; i <= n; i++) res *= i;
  document.getElementById("result").innerText = "Factorial: " + res;
}
</script>
</body>
</html>
```

11. Fibonacci series webpage

```html
<html>
<body>
<input type="number" id="num"><button onclick="fibo()">Submit</button>
<p id="result"></p>
<script>
function fibo() {
  let n = parseInt(document.getElementById("num").value);
  let a = 0, b = 1, result = "0 1 ";
  for (let i = 2; i < n; i++) {
    let c = a + b;
    result += c + " ";
    a = b; b = c;
  }
  document.getElementById("result").innerText = result;
}
</script>
</body>
</html>
```

12. Prime numbers webpage

```
<html>
<body>
<input type="number" id="num"><button onclick="prime()">Submit</button>
<p id="result"></p>
<script>
function prime() {
  let n = parseInt(document.getElementById("num").value);
  let result = "";
  for (let i = 2; i <= n; i++) {
    let isPrime = true;
    for (let j = 2; j <= Math.sqrt(i); j++) {
      if (i % j == 0) { isPrime = false; break; }
    }
    if (isPrime) result += i + " ";
  }
  document.getElementById("result").innerText = result;
}
</script>
</body>
</html>
```

13. Palindrome number webpage

```html
<html>
<body>
<input type="number" id="num"><button onclick="palindrome()">Submit</button>
<p id="result"></p>
<script>
function palindrome() {
  let n = document.getElementById("num").value;
  let rev = n.split("").reverse().join("");
  let msg = (n == rev) ? "Palindrome" : "Not Palindrome";
  document.getElementById("result").innerText = msg;
}
</script>
</body>
</html>
```

14. Registration page with validation

```html
<html>
<body>
<form onsubmit="return validate()">
  Name: <input type="text" id="name"><br>
  Mobile: <input type="text" id="mobile"><br>
  Email: <input type="text" id="email"><br>
  <input type="submit">
</form>
<script>
function validate() {
  let name = /^[A-Za-z][A-Za-z0-9]{5,}$/;
  let mobile = /^[0-9]{10}$/;
  let email = /^[^@\s]+@[^@\s]+\.[^@\s]+$/;
  if (!name.test(document.getElementById("name").value)) { alert("Invalid Name"); return
false; }
  if (!mobile.test(document.getElementById("mobile").value)) { alert("Invalid Mobile");
return false; }
  if (!email.test(document.getElementById("email").value)) { alert("Invalid Email");
return false; }
  return true;
}
</script>
</body>
</html>
```

15. Three frames in different directions

```html
<html>
<frameset rows="30%,40%,30%">
  <frame src="top.html">
  <frame src="middle.html">
  <frame src="bottom.html">
</frameset>
</html>
```