

01 Profile Images

```
<!DOCTYPE html>
<html>
<head><title>Profile Images</title></head>
<body>
  <a href="https://yourprofile.com">
    
  </a>
  <a href="https://friendsprofile.com">
    
  </a>
</body>
</html>
```

02 Image Gallery

```
<!DOCTYPE html>
<html>
<head><title>Image Gallery</title></head>
<body>
  <a href="big1.jpg"></a>
  <a href="big2.jpg"></a>
</body>
</html>
```

03 Timetable

```
<!DOCTYPE html>
<html>
<head><title>Timetable</title></head>
<body>
  <table border="1">
    <tr><th>Day</th><th>9-10</th><th>10-11</th></tr>
    <tr><td>Monday</td><td>Math</td><td>Science</td></tr>
    <tr><td>Tuesday</td><td>English</td><td>Computer</td></tr>
  </table>
</body>
</html>
```

04 Audio Video

```
<!DOCTYPE html>
<html>
<head><title>Media</title></head>
<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>
```

05 Background Image

```
<!DOCTYPE html>
<html>
<head>
<style>
body {
  background-image: url("bg.jpg");
  background-repeat: no-repeat;
  background-position: center 50%;
  background-attachment: fixed;
}
</style>
</head>
<body><h2>Scroll the page to see the background stay in place!</h2></body>
</html>
```

06 Voter Check

```
<!DOCTYPE html>
<html>
<head><title>Voter Check</title></head>
<body>
  <script>
    let name = prompt("Enter your name:");
    let age = prompt("Enter your age:");
    let message = (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>" + message +
"</td></tr></table>");
  </script>
</body>
</html>
```

07 Larger Number

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

08 Week Days

```
let 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");
}
```


09 Armstrong

```
let 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 NUMBER");
} else {
  console.log("NOT ARMSTRONG");
}
```

10 Factorial

```
<!DOCTYPE html>
<html>
<head><title>Factorial</title></head>
<body>
  <script>
    let n = parseInt(prompt("Enter a number:"));
    let fact = 1;
    for (let i = 1; i <= n; i++) { fact *= i; }
    document.write("Factorial of " + n + " is " + fact);
  </script>
</body>
</html>
```

11 Fibonacci

```
<!DOCTYPE html>
<html>
<head><title>Fibonacci</title></head>
<body>
  <script>
    let n = parseInt(prompt("Enter how many terms:"));
    let a = 0, b = 1;
    document.write("Fibonacci Series: " + a + " , " + b);
    for (let i = 2; i < n; i++) {
      let c = a + b;
      document.write(", " + c);
      a = b; b = c;
    }
  </script>
</body>
</html>
```

12 Prime Numbers

```
<!DOCTYPE html>
<html>
<head><title>Prime Numbers</title></head>
<body>
  <script>
    let n = parseInt(prompt("Enter a number:"));
    document.write("Prime numbers up to " + n + "<br>");
    for (let i = 2; i <= n; i++) {
      let isPrime = true;
      for (let j = 2; j < i; j++) {
        if (i % j == 0) { isPrime = false; break; }
      }
      if (isPrime) { document.write(i + " "); }
    }
  </script>
</body>
</html>
```

13 Palindrome

```
<!DOCTYPE html>
<html>
<head><title>Palindrome Check</title></head>
<body>
  <script>
    let num = prompt("Enter a number:");
    let reversed = num.split("").reverse().join("");
    if (num === reversed) {
      document.write(num + " is a Palindrome");
    } else {
      document.write(num + " is Not a Palindrome");
    }
  </script>
</body>
</html>
```

14 Registration Validation

```
<!DOCTYPE html>
<html>
<head>
  <title>Registration Form</title>
  <script>
    function validateForm() {
      let name = document.forms["regForm"]["name"].value;
      let mobile = document.forms["regForm"]["mobile"].value;
      let email = document.forms["regForm"]["email"].value;
      let namePattern = /^[A-Za-z][A-Za-z0-9]{5,}$/;
      let mobilePattern = /^[0-9]{10}$/;
      let emailPattern = /^[a-zA-Z0-9._]+@[a-z]+\.[a-z]{2,3}$/;
      if (!namePattern.test(name)) { alert("Invalid Name"); return false; }
      if (!mobilePattern.test(mobile)) { alert("Invalid Mobile Number"); return false; }
      if (!emailPattern.test(email)) { alert("Invalid Email"); return false; }
      return true;
    }
  </script>
</head>
<body>
  <form name="regForm" onsubmit="return validateForm()">
    Name: <input type="text" name="name"><br>
    Mobile: <input type="text" name="mobile"><br>
    Email: <input type="text" name="email"><br>
    <input type="submit" value="Register">
  </form>
</body>
</html>
```

15 Three Frames

```
<!DOCTYPE html>
<html>
<head><title>Three Frames</title></head>
<frameset rows="30%, 40%, 30%">
  <frame src="top.html">
  <frame src="middle.html">
  <frame src="bottom.html">
</frameset>
</html>
```