1. Personal Profile Card (HTML + CSS)

Problem: Create a personal profile card showing your photo, name, and bio.

```
<!DOCTYPE html>
<html>
<head>
 <title>Profile Card</title>
 <style>
   body { font-family: Arial; display: flex; justify-content: center; align-items:
center; height: 100vh; background: #f0f0f0; }
   .card { background: white; padding: 20px; text-align: center; border-
radius: 10px; width: 250px; box-shadow: 0 2px 6px rgba(0,0,0,0.2);
transition: 0.3s; }
   .card:hover { box-shadow: 0 4px 12px rgba(0,0,0,0.4); }
   img { width: 100px; border-radius: 50%; }
 </style>
</head>
<body>
 <div class="card">
   <img src="https://via.placeholder.com/100" alt="profile">
   <h3>Atharv Chavan</h3>
   <p>Web Developer | Tech Enthusiast</p>
 </div>
</body>
</html>
```

2. Product Landing Page (Bootstrap)

Problem: Create a responsive landing page for a product.

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Product Page</title>
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
<nav class="navbar navbar-dark bg-dark">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">MyProduct</a>
  </div>
</nav>
<div class="container text-center mt-5">
  <img src="https://via.placeholder.com/300" class="img-fluid rounded"
alt="product">
  <h2 class="mt-3">Awesome Gadget</h2>
  <p>Smart, sleek, and built for modern needs.</p>
  <button class="btn btn-primary">Buy Now</button>
</div>
</body>
</html>
```

3. To-Do List (JavaScript)

```html
<!DOCTYPE html>
<html>
<head>
<title>To-Do List</title>
</head>
<body>
  <h3>To-Do List</h3>
  <input id="task" placeholder="Enter task">
  <button onclick="addTask()">Add</button>
  <ul id="list"></ul>

<script>
function addTask() {
  let task = document.getElementById("task").value;
  if (task === "") return;
  let li = document.createElement("li");
  li.textContent = task;
  li.onclick = () => li.remove();
  document.getElementById("list").appendChild(li);
  document.getElementById("task").value = "";
}
</script>
</body>
</html>
```

4. Temperature Converter

```
<!DOCTYPE html>
<html>
<head><title>Temperature Converter</title></head>
<body>
 <h3>Temperature Converter</h3>
 <input id="temp" placeholder="Enter value">
 <button onclick="toC()">To °C</button>
 <button onclick="toF()">To °F</button>
 <p id="result"></p>
<script>
function toC(){ document.getElementById("result").innerText =
((+document.getElementById("temp").value - 32)*5/9).toFixed(2)+" °C"; }
function toF(){ document.getElementById("result").innerText =
((+document.getElementById("temp").value *9/5)+32).toFixed(2)+" °F"; }
</script>
</body>
</html>
```

5. Course List (Simulated Angular Concept)

```html
<!DOCTYPE html>
<html>
<head><title>Course List</title></head>
<body>
<h3>Course List</h3>
<table border="1" id="table"></table>
<script src="courses.js"></script>
</body>
</html>
```

courses.js

```javascript
let courses = ["HTML", "CSS", "JavaScript", "TypeScript"];

let table = document.getElementById("table");

courses.forEach((c, i) => {

  let row = table.insertRow();

  row.insertCell().innerText = i + 1;

  row.insertCell().innerText = c;

});
```

6. Quiz Application

```html
<!DOCTYPE html>
<html>
<head><title>Quiz</title></head>
<body>
<h3 id="q"></h3>
<div id="opts"></div>
<button onclick="next()">Next</button>
<p id="res"></p>
<script>
let q=[{q:"HTML stands for?",o:["Hyper Text","High Text"],a:0},
    {q:"CSS used for?",o:["Styling","Scripting"],a:0}];
let i=0,s=0;
load();
function load(){
 if(i<q.length){
  document.getElementById("q").innerText=q[i].q;
  document.getElementById("opts").innerHTML=q[i].o.map((x,j)=>`<input
type='radio' name='opt' value='${j}'>${x}<br>`).join('');
 } else { document.getElementById("res").innerText="Score:
"+s+"/"+q.length; }
}
function next(){
 let v=document.querySelector("input[name='opt']:checked");
 if(v && +v.value===q[i].a)s++;
 i++; load();
}
</script>
</body>
</html>
```

7. Digital Clock

```html
<!DOCTYPE html>
<html>
<head><title>Clock</title></head>
<body>
<h2 id="clock"></h2>
<script>
setInterval(()=>{ document.getElementById("clock").innerText=new Date().toLocaleTimeString(); },1000);
</script>
</body>
</html>
```

8. Restaurant Menu Page

```html
<!DOCTYPE html>

<html>

<head>

<style>

body{font-family:Arial;margin:40px;}

h2{color:#e67e22;}

table{width:50%;border-collapse:collapse;}

td,th{border:1px solid #ccc;padding:10px;}

</style>

</head>

<body>

<h1>Restaurant Menu</h1>

<h2>Starters</h2>

<ul><li>Soup - ₹120</li><li>Salad - ₹100</li></ul>

<h2>Main Course</h2>

<ul><li>Pasta - ₹250</li><li>Paneer Tikka - ₹200</li></ul>

<h2>Desserts</h2>

<ul><li>Ice Cream - ₹90</li><li>Cake - ₹120</li></ul>

</body>

</html>
```

9. Student Class (TypeScript)

```typescript
class Student {
  name: string;
  rollNo: number;
  marks: number;

  constructor(n: string, r: number, m: number) {
    this.name = n; this.rollNo = r; this.marks = m;
  }

  grade() {
    if (this.marks >= 75) console.log("Grade: A");
    else if (this.marks >= 50) console.log("Grade: B");
    else console.log("Grade: C");
  }
}

let s1 = new Student("Atharv", 1, 82);
s1.grade();
```

10. Pricing Table (Bootstrap)

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Pricing Table</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body class="bg-light text-center p-5">
  <div class="container">
    <div class="row">
      <div class="col-md-4"><div class="card p-3"><h4>Basic</h4><p>₹199/month</p><button class="btn btn-outline-primary">Buy Now</button></div></div>
      <div class="col-md-4"><div class="card p-3 bg-primary text-white"><h4>Pro</h4><p>₹399/month</p><button class="btn btn-light">Buy Now</button></div></div>
      <div class="col-md-4"><div class="card p-3"><h4>Premium</h4><p>₹699/month</p><button class="btn btn-outline-primary">Buy Now</button></div></div>
    </div>
  </div>
</body>
</html>
```