

## ✓ 1) Multiplication Table (JavaScript)

```
<!DOCTYPE html>
<html>
<body>

<script>
let n = prompt("Enter a number");

for(let i = 1; i <= 10; i++){
    document.write(n + " X " + i + " = " + (n*i) + "<br>");
}
</script>

</body>
</html>
```

---

## □ 2) Guessing Game (5 Attempts)

```
<!DOCTYPE html>
<html>
<body>

<script>
let num = Math.floor(Math.random()*10) + 1;
let attempts = 5;

for(let i=1; i<=attempts; i++){
    let g = prompt("Guess number (1-10):");

    if(g == num){
        alert("Correct Guess!");
        break;
    }
    else{
        alert("Wrong guess! Attempts left: " + (attempts - i));
    }
}
alert("The number was: " + num);
</script>

</body>
</html>
```

---

## □ 3) Registration Form Validation

```
<!DOCTYPE html>
<html>
<body>
```

```

<form onsubmit="return check()">
<input type="text" id="name" placeholder="Enter Name"><br><br>
<input type="email" id="email" placeholder="Enter Email"><br><br>
<input type="password" id="pass" placeholder="Enter Password"><br><br>
<button type="submit">Submit</button>
</form>

<script>
function check() {
    if (name.value=="") {
        alert("Enter name");
        return false;
    }
    if (email.value=="") {
        alert("Enter email");
        return false;
    }
    if (pass.value=="") {
        alert("Enter password");
        return false;
    }
    alert("Form Submitted!");
    return true;
}
</script>

</body>
</html>

```

---

## □ 4) To-Do List (Add/Delete)

```

<!DOCTYPE html>
<html>
<body>

<h3>To-Do List</h3>

<input id="task" placeholder="Add Task">
<button onclick="addTask()">Add</button>

<ul id="list"></ul>

<script>
function addTask() {
    let t = document.getElementById("task").value;

    let li = document.createElement("li");
    li.innerHTML = t +
        " <button onclick='this.parentNode.remove()'>Delete</button>";

    document.getElementById("list").appendChild(li);
}
</script>

```

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

---

## □ 5) HTML Calculator (Add/Sub/Mul/Div)

```
<!DOCTYPE html>
<html>
<body>

<input id="a" placeholder="Enter number 1"><br><br>
<input id="b" placeholder="Enter number 2"><br><br>
<button onclick="calc()">Calculate</button>

<p id="out"></p>

<script>
function calc() {
    let x = Number(a.value);
    let y = Number(b.value);

    document.getElementById("out").innerHTML =
        "Add = " + (x+y) + "<br>" +
        "Sub = " + (x-y) + "<br>" +
        "Mul = " + (x*y) + "<br>" +
        "Div = " + (x/y);
}
</script>

</body>
</html>
```

---

## □ 6) Login Validation

```
<!DOCTYPE html>
<html>
<body>

<form onsubmit="return check()">
<input id="u" placeholder="Username"><br><br>
<input id="p" type="password" placeholder="Password"><br><br>
<button>Login</button>
</form>

<script>
function check() {
    if(u.value==" " || p.value=="") {
        alert("Fill all fields!");
        return false;
    }
}
```

```
        alert("Login Successful!");
        return true;
    }
</script>

</body>
</html>
```

---

## □ 7) Fibonacci Series

```
<!DOCTYPE html>
<html>
<body>

<script>
let a = 0, b = 1;

document.write(a + " " + b + " ");

for(let i=2; i<10; i++){
    let c = a + b;
    document.write(c + " ");
    a = b;
    b = c;
}
</script>

</body>
</html>
```

---

## □ 8) jQuery Add Two Numbers

```
<!DOCTYPE html>
<html>
<head>
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
</head>
<body>

<input id="n1"><br><br>
<input id="n2"><br><br>
<button id="add">Add</button>

<p id="res"></p>

<script>
$("#add").click(function(){
    let a = Number($("#n1").val());
    let b = Number($("#n2").val());
    $("#res").text("Sum = " + (a+b));
});
```

```
});  
</script>  
  
</body>  
</html>
```

---

## □ 9) CSS Hover Animation

```
<!DOCTYPE html>  
<html>  
<head>  
<style>  
nav a{  
    padding:10px;  
    text-decoration:none;  
    transition:0.3s;  
}  
nav a:hover{  
    color:red;  
    letter-spacing:2px;  
}  
</style>  
</head>  
<body>  
  
<nav>  
<a>Home</a> |  
<a>About</a> |  
<a>Contact</a>  
</nav>  
  
</body>  
</html>
```

---

## □ 10) HTML5 Form

```
<!DOCTYPE html>  
<html>  
<body>  
  
<form>  
<input type="text" placeholder="Name" required><br><br>  
<input type="number" placeholder="Mobile" required><br><br>  
<input type="email" placeholder="Email" required><br><br>  
<input type="date" required><br><br>  
<input type="password" placeholder="Password" required><br><br>  
<button>Submit</button>  
</form>  
  
</body>
```

</html>

---

## (Remaining 10 Marks Code Continued...)

If you want, I will continue **11 to 19** FULL CODE right now.

फक्त लिही →

—Continue 10 marks

मी िगेच पुढचे सर्व FULL कोड टाकतो.

**You said:**

yes

**ChatGPT said:**

ठीक आहे Shivam!

आता मी **10 Marks** चे उरिे सर्व **FULL, COMPLETE, CLEAN CODE** (11 ते 19) देतो —  
PDF साठी perfect text format मध्ये.

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## ▣ 10 MARKS — FULL CODE SOLUTIONS (11 to 19)

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## ▣ 11) HTML5 Semantic Tags Webpage

```
<!DOCTYPE html>
<html>
<body>

<header style="background:lightgray;padding:10px;">
  <h2>My Website Header</h2>
</header>

<nav style="background:#ddd;padding:10px;">
  Home | About | Contact
</nav>

<section style="padding:10px;">
  <h3>Content Section</h3>
  <p>This is main content using semantic tags.</p>
</section>

<footer style="background:lightgray;padding:10px;">
  © 2025 My Website
</footer>

</body>
</html>
```

---

## ▣ 12) Swap Two Numbers Without Third Variable

```
<!DOCTYPE html>
<html>
<body>

<script>
let a = 10;
let b = 20;

document.write("Before Swap: a=" + a + " b=" + b + "<br><br>");

a = a + b;
b = a - b;
a = a - b;

document.write("After Swap: a=" + a + " b=" + b);
</script>

</body>
</html>
```

---

## ▣ 13) Bootstrap Carousel (Product Showcase)

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
">
</head>
<body>

<div id="carouselExample" class="carousel slide" data-bs-ride="carousel">

  <div class="carousel-inner">
    <div class="carousel-item active">
      
    </div>
    <div class="carousel-item">
      
    </div>
    <div class="carousel-item">
      
    </div>
  </div>

</div>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.mi
n.js"></script>
</body>
</html>
```

---

## ▣ 14) Prime Numbers (1 to 100)

```
<!DOCTYPE html>
<html>
<body>

<script>
for(let n = 2; n <= 100; n++){
  let prime = true;

  for(let i = 2; i < n; i++){
    if(n % i == 0){
      prime = false;
      break;
    }
  }
}
```



```
        if(prime) document.write(n + " ");
    }
</script>

</body>
</html>
```

---

## ▣ 15) jQuery Character Counter

```
<!DOCTYPE html>
<html>
<head>
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
</head>
<body>

<textarea id="text" rows="5" cols="30"></textarea>
<p>Characters: <span id="count">0</span></p>

<script>
$( "#text" ).keyup(function() {
    $( "#count" ).text( $(this).val().length );
});
</script>

</body>
</html>
```

---

## ▣ 16) Bootstrap Gallery (Carousel with 5 Photos)

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
">
</head>
<body>

<div id="gallery" class="carousel slide" data-bs-ride="carousel">

    <div class="carousel-inner">

        <div class="carousel-item active">
            
        </div>
```

```

<div class="carousel-item">
  
</div>

<div class="carousel-item">
  
</div>

<div class="carousel-item">
  
</div>

<div class="carousel-item">
  
</div>

</div>

</div>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.mi
n.js"></script>
</body>
</html>

```

---

## ▣ 17) Rest Operator – Elements, Sum & Average

```

<!DOCTYPE html>
<html>
<body>

<script>
function show(...nums) {
  let sum = 0;

  for(let x of nums) {
    sum += x;
  }

  let avg = sum / nums.length;

  document.write("Elements: " + nums + "<br>");
  document.write("Sum: " + sum + "<br>");
  document.write("Average: " + avg);
}

show(10, 20, 30, 40, 50);
</script>

</body>

```

</html>

---

## ▣ 18) Fibonacci Series (Repeated Question)

```
<!DOCTYPE html>
<html>
<body>

<script>
let a = 0, b = 1;

document.write(a + " " + b + " ");

for(let i=2; i<10; i++){
    let c = a + b;
    document.write(c + " ");
    a = b;
    b = c;
}
</script>

</body>
</html>
```

✓ 15 MARKS – FULL CODE SOLUTIONS  
(1 to 19)

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---

## ▣ 1) HTML Table Layout Output

```
<!DOCTYPE html>
<html>
<body>

<table border="1" cellpadding="10" cellspacing="0" width="100%">
```

```
<tr>
  <th>Roll No</th>
  <th>Name</th>
  <th>Marks</th>
</tr>

<tr>
  <td>1</td>
  <td>Shivam</td>
  <td>85</td>
</tr>

<tr>
  <td>2</td>
  <td>Tejas</td>
  <td>90</td>
</tr>
</table>

</body>
</html>
```

---

## □ 2) CSS – Link Styles (link, active, hover, visited)

```
<!DOCTYPE html>
<html>
<head>
<style>
a:link { color: blue; }
a:visited { color: purple; }
a:hover { color: red; font-size: 20px; }
a:active { color: green; }
</style>
</head>
<body>

<a href="#">Click Here</a>

</body>
</html>
```

---

## □ 3) Multi-Page Bookstore Website

### index.html

```
<h1>Book Store</h1>
<a href="books.html">Books</a> |
```

```
<a href="contact.html">Contact</a>
```

### **books.html**

```
<h2>Books List</h2>
<ul>
  <li>Java Programming</li>
  <li>Python Mastery</li>
  <li>Web Development</li>
</ul>
```

### **contact.html**

```
<h2>Contact Us</h2>
<p>Email: bookstore@gmail.com</p>
```

---

## **❑ 4) Simple E-Commerce Website (Home + Product + Cart)**

### **index.html**

```
<h2>Welcome to My Shop</h2>
<a href="products.html">View Products</a>
```

### **products.html**

```
<h2>Products</h2>
<ul>
  <li>Mobile - $100 <a href="cart.html">Add to Cart</a></li>
  <li>Laptop - $500 <a href="cart.html">Add to Cart</a></li>
</ul>
```

### **cart.html**

```
<h2>Shopping Cart</h2>
<p>Items added successfully.</p>
```

---

## **❑ 5) HTML Lists (Ordered + Unordered)**

```
<!DOCTYPE html>
<html>
<body>

<h3>Unordered List</h3>
<ul>
```

```
<li>Mango</li>
<li>Apple</li>
<li>Banana</li>
</ul>

<h3>Ordered List</h3>
<ol>
  <li>Mumbai</li>
  <li>Pune</li>
  <li>Nashik</li>
</ol>

</body>
</html>
```

---

## ▣ 6) Responsive Image Gallery (CSS Grid)

```
<!DOCTYPE html>
<html>
<head>
<style>
.gallery{
  display: grid;
  grid-template-columns: auto auto auto;
  gap: 10px;
}
.gallery img{
  width: 100%;
}
</style>
</head>
<body>

<h2>Responsive Gallery</h2>

<div class="gallery">
  
  
  
</div>

</body>
</html>
```

---

## ▣ 7) JS – Concatenate Two Arrays (Spread Operator)

```
<!DOCTYPE html>
<html>
```

```
<body>

<script>
let a = [1,2,3];
let b = [4,5,6];

let c = [...a, ...b];

document.write("Array A: " + a + "<br>");
document.write("Array B: " + b + "<br>");
document.write("Concatenated: " + c);
</script>

</body>
</html>
```

---

## ▣ 8) Bootstrap – College Website Home Page

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
">
</head>

<body>

<div class="container text-center">
  <h1>ABC College</h1>
  <div class="alert alert-primary">Welcome To Our College</div>
  <button class="btn btn-success">Learn More</button>
</div>

</body>
</html>
```

---

## ▣ 9) Bootstrap – Pricing Tables (Two Types)

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
">
</head>
<body>

<div class="container text-center">
  <div class="row">
```

```

<div class="col-md-6">
  <div class="card p-3">
    <h3>Basic</h3>
    <p>$10/month</p>
  </div>
</div>

<div class="col-md-6">
  <div class="card p-3 bg-light">
    <h3>Premium</h3>
    <p>$20/month</p>
  </div>
</div>

</div>
</div>

</body>
</html>

```

---

## □ 10) Container vs Container-Fluid

```

<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
">
</head>

<body>

<div class="container border p-3">
  <h3>Student Info (Container)</h3>
  <p>Name: Shivam</p>
</div>

<div class="container-fluid border bg-light p-3 mt-3">
  <h3>Student Info (Container Fluid)</h3>
  <p>Roll No: 12</p>
</div>

</body>
</html>

```

```

<!DOCTYPE html>
<html>
<body>

<script>
let s1 = Number(prompt("Enter marks of Subject 1"));
let s2 = Number(prompt("Enter marks of Subject 2"));
let s3 = Number(prompt("Enter marks of Subject 3"));

let total = s1 + s2 + s3;
let per = total / 3;
let grade = "";

```



```

if(per >= 75) grade = "Distinction";
else if(per >= 60) grade = "First Class";
else if(per >= 50) grade = "Second Class";
else grade = "Fail";

document.write("Total = " + total + "<br>");
document.write("Percentage = " + per + "<br>");
document.write("Grade = " + grade);
</script>

```

```

</body>

```

```

</html>

```

#### □ 12) JavaScript - Calculator Using Switch Case

html

Copy code

```

<!DOCTYPE html>

```

```

<html>

```

```

<body>

```

```

<script>

```

```

let a = Number(prompt("Enter first number"));

```

```

let b = Number(prompt("Enter second number"));

```

```

let op = prompt("Enter operator (+,-,*,/)");

```

```

switch(op){

```

```

    case '+': alert("Result = " + (a+b)); break;

```

```

    case '-': alert("Result = " + (a-b)); break;

```

```

    case '*': alert("Result = " + (a*b)); break;

```

```

    case '/': alert("Result = " + (a/b)); break;

```

```

    default: alert("Invalid operator");

```

```

}

```

```

</script>

```

```

</body>

```

```

</html>

```

#### □ 13) Factorial of Number (JavaScript)

html

Copy code

```

<!DOCTYPE html>

```

```

<html>

```

```

<body>

```

```

<script>

```

```

let n = Number(prompt("Enter a number"));

```

```

let fact = 1;

```

```

for(let i=1; i<=n; i++){

```

```

    fact = fact * i;

```

```

}

```

```

document.write("Factorial of " + n + " = " + fact);

```

```

</script>

```

```

</body>

```

```

</html>

```

#### □ 14) jQuery - Hide, Show & Toggle

html

Copy code

```

<!DOCTYPE html>

```

```

<html>

```

```
<head>
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
</head>
```

```
<body>
```

```
<p id="text">This is sample text</p>
```

```
<button id="hide">Hide</button>
```

```
<button id="show">Show</button>
```

```
<button id="toggle">Toggle</button>
```

```
<script>
$("#hide").click(function(){ $("#text").hide(); });
$("#show").click(function(){ $("#text").show(); });
$("#toggle").click(function(){ $("#text").toggle(); });
</script>
```

```
</body>
```

```
</html>
```

□ 15) jQuery - Animate Box

html

Copy code

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
```

```
<style>
```

```
#box{
  width:100px;
  height:100px;
  background:red;
  position:relative;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div id="box"></div>
```

```
<br>
```

```
<button id="move">Move Right</button>
```

```
<script>
$("#move").click(function(){
  $("#box").animate({ left:'250px', width:'150px', height:'150px' }, 1000);
});
</script>
```

```
</body>
```

```
</html>
```

□ 16) Bootstrap - Form + Alert + Button

html

Copy code

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<link rel="stylesheet"
```

```
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
```

```
</head>
```

```

<body class="p-4">

<div class="container">

<h3 class="text-center">Registration Form</h3>

<div class="alert alert-info">Fill Your Information</div>

<input type="text" class="form-control" placeholder="Enter Name"><br>
<input type="email" class="form-control" placeholder="Enter Email"><br>

<button class="btn btn-primary">Submit</button>

</div>

</body>
</html>

```

#### □ 17) Bootstrap - Card Layout (3 Cards)

html

Copy code

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<link rel="stylesheet"
```

```
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
```

```
</head>
```

```
<body>
```

```

<div class="container mt-4">
  <div class="row">

    <div class="col-md-4">
      <div class="card p-3">
        <h4>HTML</h4>
        <p>Basics of HTML</p>
      </div>
    </div>

    <div class="col-md-4">
      <div class="card p-3">
        <h4>CSS</h4>
        <p>Basics of CSS</p>
      </div>
    </div>

    <div class="col-md-4">
      <div class="card p-3">
        <h4>JavaScript</h4>
        <p>Basics of JavaScript</p>
      </div>
    </div>

  </div>
</div>

</body>
</html>

```

#### □ 18) Responsive Navbar (Bootstrap)

```

html
Copy code
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
</head>

<body>

<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">MySite</a>

    <button class="navbar-toggler" data-bs-toggle="collapse" data-bs-
target="#nav">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="nav">
      <ul class="navbar-nav ms-auto">
        <li class="nav-item"><a class="nav-link">Home</a></li>
        <li class="nav-item"><a class="nav-link">About</a></li>
        <li class="nav-item"><a class="nav-link">Contact</a></li>
      </ul>
    </div>
  </div>
</nav>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.j
s"></script>
</body>
</html>

```

□ 19) Full Responsive Webpage (Header + Nav + Section + Footer)

```

html
Copy code
<!DOCTYPE html>
<html>
<head>
<style>
body{ margin:0; font-family:Arial; }
header{ background:#333; color:white; padding:15px; text-align:center; }
nav{ background:#555; padding:10px; text-align:center; }
nav a{ color:white; margin:10px; text-decoration:none; }
section{ padding:20px; }
footer{ background:#333; color:white; text-align:center; padding:10px; }
</style>
</head>

<body>

<header>
  <h1>My Responsive Website</h1>
</header>

<nav>
  <a href="#">Home</a>
  <a href="#">Services</a>
  <a href="#">About</a>

```

```
</nav>
```

```
<section>
```

```
  <h2>Welcome</h2>
```

```
  <p>This is a simple responsive webpage layout.</p>
```

```
</section>
```

```
<footer>
```

```
  © 2025 My Website
```

```
</footer>
```

```
</body>
```

```
</html>
```