

Practical No 2

Aim : Programing Fundamental Of JavaScript

A. Variables

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Variable In JavaScript</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }

    h1 {
      text-align: center;
    }
  </style>
</head>

<body>
  <h1>JavaScript Variable</h1>
  <script>
    // Variable In JavaScript
    // var, let, const Keyword In JavaScript For Declaring Variable
    // var Keyword Is Used For Declaring Variable In JavaScript But It Has Some Limitations And Not
    Recommended To Use It
    // let Keyword Is Used For Declaring Variable In JavaScript
    // const Keyword Is Used For Declaring Constant In JavaScript
    // When We Declare Variable In JavaScript, We Can Assign Value To It If Not Assigned, It Will Return
    Undefined

    // Declaring Variable
    var name;
    let age;
    let salary;
    const country = "India";

    // Assigning Value To Variable
    name = "John Doe";
    age = 30;

    // Accessing Variable
    document.write("Name : " + name);
    document.write("<br>");
    document.write("Age : " + age);
```

```
document.write("<br>");
document.write("Salary : " + salary);
document.write("<br>");
document.write("Country : " + country);
</script>
</body>

</html>
```

JavaScript Variable

Name : John Doe
Age : 30
Salary : undefined
Country : India

B. Operators

1. Arithmetic Operators

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Arithmetic Operator</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }

    h1 {
      text-align: center;
    }
  </style>
</head>

<body>
  <h1>JavaScript Arithmetic Operator</h1>
  <script>
    // Arithmetic Operat
    // +, -, *, /, %, **, ++, -- Keyword In JavaScript For Arithmetic Operation
    // + Keyword Is Used For Addition In JavaScript
    // - Keyword Is Used For Subtraction In JavaScript
    // * Keyword Is Used For Multiplication In JavaScript
    // / Keyword Is Used For Division In JavaScript
    // % Keyword Is Used For Modulus In JavaScript
    // ** Keyword Is Used For Exponent In JavaScript
    // ++ Keyword Is Used For Increment In JavaScript
```

```
// -- Keyword Is Used For Decrement In JavaScript
```

```
// Addition In JavaScript
```

```
document.write("Addition In JavaScript");  
document.write("<br>");  
let a = 10;  
let b = 20;  
let c = a + b;  
document.write("10 + 20 = ", c);  
document.write("<br>");
```

```
// Subtraction In JavaScript
```

```
document.write("Subtraction In JavaScript");  
document.write("<br>");  
let d = 10;  
let e = 20;  
let f = d - e;  
document.write("10 - 20 = ", f);  
document.write("<br>");
```

```
// Multiplication In JavaScript
```

```
document.write("Multiplication In JavaScript");  
document.write("<br>");  
let g = 10;  
let h = 20;  
let i = g * h;  
document.write("10 * 20 = ", i);  
document.write("<br>");
```

```
// Division In JavaScript
```

```
document.write("Division In JavaScript");  
document.write("<br>");  
let j = 10;  
let k = 20;  
let l = j / k;  
document.write("10 / 20 = ", l);  
document.write("<br>");
```

```
// Modulus In JavaScript
```

```
document.write("Modulus In JavaScript");  
document.write("<br>");  
let m = 10;  
let n = 20;  
let o = m % n;  
document.write("10 % 20 = ", o);  
document.write("<br>");
```

```
// Exponent In JavaScript
```

```
document.write("Exponent In JavaScript");  
document.write("<br>");  
let p = 3;  
let q = 3;  
let r = p ** q;
```

```

document.write("3 ** 3 = ", r);
document.write("<br>");

// Increment & Decrement In JavaScript
document.write("Increment & Decrement In JavaScript");
document.write("<br>");
document.write("Intial Value = 10");
document.write("<br>");
let s = 10;
s++;
document.write("Increment = ", p);
document.write("<br>");
s--;
document.write("Decrement = ", q);
document.write("<br>");

</script>
</body>

</html>

```

JavaScript Arithmetic Operator

Addition In JavaScript

10 + 20 = 30

Subtraction In JavaScript

10 - 20 = -10

Multiplication In JavaScript

10 * 20 = 200

Division In JavaScript

10 / 20 = 0.5

Modulus In JavaScript

10 % 20 = 10

Exponent In JavaScript

3 ** 3 = 27

Increment & Decrement In JavaScript

Intial Value = 10

Increment = 3

Decrement = 3

2. Comparison Operators

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Comparison Operator</title>
  <style>
    body {
      background: aliceblue;

```

```

    color: blueviolet;
}

h1 {
    text-align: center;
}
</style>
</head>
<body>
<h1>JavaScript Comparison Operator</h1>
<script>
    // JavaScript Comparison Operator
    // ==, ===, !=, !==, >, <, >=, <=
    // == Is Used For Checking If Two Values Are Equal
    // === Is Used For Checking If Two Values Are Equal And Of The Same Type
    // != Is Used For Checking If Two Values Are Not Equal
    // > Is Used For Checking If The First Value Is Greater Than The Second Value
    // < Is Used For Checking If The First Value Is Less Than The Second Value
    // >= Is Used For Checking If The First Value Is Greater Than Or Equal To The Second Values
    // <= Is Used For Checking If The First Value Is Less Than Or Equal To The Second Values

    // == Is Used For Checking If Two Values Are Equal
    document.write("== Is Used For Checking If Two Values Are Equal");
    document.write("<br>");
    let a = 10;
    let b = 20;
    let c = a == b;
    document.write("10 == 20 = ", c);
    document.write("<br>");

    // === Is Used For Checking If Two Values Are Equal And Of The Same Type
    document.write("=== Is Used For Checking If Two Values Are Equal And Of The Same Type");
    document.write("<br>");
    let d = 10;
    let e = "10";
    let f = d === e;
    document.write("10 === 10 = ", f);
    document.write("<br>");

    // != Is Used For Checking If Two Values Are Not Equal
    document.write("!= Is Used For Checking If Two Values Are Not Equal");
    document.write("<br>");
    let g = 10;
    let h = 20;
    let i = g != h;
    document.write("10 != 20 = ", i);
    document.write("<br>");

    // > Is Used For Checking If The First Value Is Greater Than The Second Value
    document.write("> Is Used For Checking If The First Value Is Greater Than The Second Value");
    document.write("<br>");
    let j = 10;
    let k = 10;

```

```

let l = j > k;
document.write("10 > 10 = ", l);
document.write("<br>");

// < Is Used For Checking If The First Value Is Less Than The Second Value
document.write("< Is Used For Checking If The First Value Is Less Than The Second Value");
document.write("<br>");
let m = 10;
let n = 20;
let o = m < n;
document.write("10 < 20 = ", o);
document.write("<br>");

// >= Is Used For Checking If The First Value Is Greater Than Or Equal To The Second Values
document.write(">= Is Used For Checking If The First Value Is Greater Than Or Equal To The Second
Values");
document.write("<br>");
let p = 10;
let q = 10;
let r = p >= q;
document.write("10 >= 10 = ", r);
document.write("<br>");

// <= Is Used For Checking If The First Value Is Less Than Or Equal To The Second Values
document.write("<= Is Used For Checking If The First Value Is Less Than Or Equal To The Second Values");
document.write("<br>");
let s = 10;
let t = 20;
let u = s <= t;
document.write("10 <= 20 = ", u);
document.write("<br>");
</script>
</body>
</html>

```

JavaScript Comparison Operator

```

== Is Used For Checking If Two Values Are Equal
10 == 20 = false
=== Is Used For Checking If Two Values Are Equal And Of The Same Type
10 === 10 = false
!= Is Used For Checking If Two Values Are Not Equal
10 != 20 = true
> Is Used For Checking If The First Value Is Greater Than The Second Value
10 > 10 = false
< Is Used For Checking If The First Value Is Less Than The Second Value
10 < 20 = true
>= Is Used For Checking If The First Value Is Greater Than Or Equal To The Second Values
10 >= 10 = true
<= Is Used For Checking If The First Value Is Less Than Or Equal To The Second Values
10 <= 20 = true

```

3. Logical Operators

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Logical Operators</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }

    h1 {
      text-align: center;
    }
  </style>
</head>

<body>
  <h1>JavaScript Logical Operators</h1>
  <script>
    // JavaScript Logical Operators
    // && Keyword Is Used For Logical And
    // || Keyword Is Used For Logical Or
    // ! Keyword Is Used For Logical Not

    // && Keyword Is Used For Logical And
    document.write("&& Keyword Is Used For Logical And");
    document.write("<br>");
    let a = 10;
    let b = 20;
    let c = a && b;
    document.write("10 && 20 = ", c);
    document.write("<br>");

    // || Keyword Is Used For Logical Or
    document.write("|| Keyword Is Used For Logical Or");
    document.write("<br>");
    let d = 10;
    let e = 20;
    let f = d || e;
    document.write("10 || 20 = ", f);
    document.write("<br>");

    // ! Keyword Is Used For Logical Not
    document.write("! Keyword Is Used For Logical Not");
    document.write("<br>");
    let g = 10;
    let h = !g;
    document.write("!10 = ", h);
  </script>
```

</body>

</html>

JavaScript Logical Operators

&& Keyword Is Used For Logical And

10 && 20 = 20

|| Keyword Is Used For Logical Or

10 || 20 = 10

! Keyword Is Used For Logical Not

!10 = false

4. Assignment Operators

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Assignment Operator</title>

<style>

body {

background: aliceblue;

color: blueviolet;

}

h1 {

text-align: center;

}

</style>

</head>

<body>

<h1>JavaScript Assignment Operator</h1>

<script>

// JavaScript Assignment Operator

// = Keyword Is Used For Assigning Value To A Variable

// += Keyword Is Used For Adding Value To A Variable

// -= Keyword Is Used For Subtracting Value From A Variable

// *= Keyword Is Used For Multiplying Value Of A Variable

// /= Keyword Is Used For Dividing Value Of A Variable

// %= Keyword Is Used For Modulo Value Of A Variable

// = Keyword Is Used For Assigning Value To A Variable

document.write("= Keyword Is Used For Assigning Value To A Variable");

document.write("
");

let a = 10;

document.write("a = 10 = ", a);

document.write("
");


```

// += Keyword Is Used For Adding Value To A Variable
document.write("+ = Keyword Is Used For Adding Value To A Variable");
document.write("<br>");
let b = 10;
b += 20; // b = b + 20
document.write("b += 20 = ", b);
document.write("<br>");

// -= Keyword Is Used For Subtracting Value From A Variable
document.write("- = Keyword Is Used For Subtracting Value From A Variable");
document.write("<br>");
let c = 10;
c -= 20; // c = c - 20
document.write("c -= 20 = ", c);
document.write("<br>");

// *= Keyword Is Used For Multiplying Value Of A Variable
document.write("* = Keyword Is Used For Multiplying Value Of A Variable");
document.write("<br>");
let d = 10;
d *= 20; // d = d * 20
document.write("d *= 20 = ", d);
document.write("<br>");

// /= Keyword Is Used For Dividing Value Of A Variable
document.write("/ = Keyword Is Used For Dividing Value Of A Variable");
document.write("<br>");
let e = 10;
e /= 20; // e = e / 20
document.write("e /= 20 = ", e);
document.write("<br>");

// %= Keyword Is Used For Modulo Value Of A Variable
document.write("% = Keyword Is Used For Modulo Value Of A Variable");
document.write("<br>");
let f = 10;
f %= 20; // f = f % 20
document.write("f %= 20 = ", f);
</script>
</body>
</html>

```

JavaScript Assignment Operator

```

= Keyword Is Used For Assigning Value To A Variable
a = 10 = 10
+= Keyword Is Used For Adding Value To A Variable
b += 20 = 30
-= Keyword Is Used For Subtracting Value From A Variable
c -= 20 = -10
*= Keyword Is Used For Multiplying Value Of A Variable
d *= 20 = 200
/= Keyword Is Used For Dividing Value Of A Variable
e /= 20 = 0.5
%= Keyword Is Used For Modulo Value Of A Variable
f %= 20 = 10

```

C. Control Flow Statements

I. Conditional Statement

1. if Condition

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>If Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }
    h1 {
      text-align: center;
    }
  </style>
</head>
<body>
  <h1>JavaScript If Statement</h1>
  <script>
    // JavaScript If Statement
    // if Statement Is Used For Checking The Condition
    // if Statement Is Used For Executing The Statement If The Condition Is True
    // if Statement Is Used For Executing The Statement If The Condition Is False

    document.write("if Statement Is Used For Checking The Condition");
    document.write("<br>");
    let a = 10;
    let b = 20;
    document.write("a = ", a);
    document.write("<br>");
    document.write("b = ", b);
    document.write("<br>");

    // if Statement Is Used For Executing The Statement If The Condition Is True
    if (a > b) {
      document.write("a is greater than b");
      document.write("<br>");
    }
    // if Statement Is Used For Executing The Statement If The Condition Is False
    if (a < b) {
      document.write("a is less than b");
      document.write("<br>");
    }
  </script>
</body>
</html>
```

JavaScript If Statement

if Statement Is Used For Checking The Condition

a = 10

b = 20

a is less than b

2. if...else statement

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>if...else Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }
    h1 {
      text-align: center;
    }
  </style>
</head>
<body>
  <h1>if...else Statement</h1>
  <script>
    // JavaScript if...else Statement
    // if...else Statement Is Used For Checking The Condition
    // if...else Statement Is Used For Executing The Statement If The Condition Is True
    // if...else Statement Is Used For Executing The Statement If The Condition Is False

    // if...else Statement Is Used For Checking The Condition
    document.write("if...else Statement Is Used For Checking The Condition");
    document.write("<br>");
    let a = 10;
    let b = 20;
    document.write("a = ", a);
    document.write("<br>");
    document.write("b = ", b);
    document.write("<br>");

    // if...else Statement Is Used For Executing The Statement If The Condition Is True
    if (a > b) {
      document.write("a is greater than b");
      document.write("<br>");
    } else {
      document.write("a is less than b");
      document.write("<br>");
    }
  </script>
</body>
</html>
```

if...else Statement

if...else Statement Is Used For Checking The Condition

a = 10

b = 20

a is less than b

3. Nested if...else Statement

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Nested if...else Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }
    h1 {
      text-align: center;
    }
  </style>
</head>
<body>
  <h1>Nested if...else Statement</h1>
  <script>
    // JavaScript Nested if...else Statement
    // Nested if...else Statement Is Used For Checking The Condition

    let a = 10;
    let b = 20;
    let c = 30;
    document.write("a = ", a);
    document.write("<br>");
    document.write("b = ", b);
    document.write("<br>");
    document.write("c = ", c);
    document.write("<br>");

    if (a > b) {
      if (a > c) {
        document.write("a is greater than b and c");
      }
      else {
        document.write("a is greater than b and less than c");
      }
    }
    else {
      document.write("a is less than b and c");
    }
  </script>
</body>
</html>
```

Nested if...else Statement

```
a = 10
b = 20
c = 30
a is less than b and c
```

II. Looping Statement

1. while loops

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>While Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }

    h1 {
      text-align: center;
    }
  </style>
</head>
<body>
  <h1>While Statement</h1>
  <p>Print 0 To 9 Using While Statement</p>
  <script>
    // JavaScript While Statement
    // While Statement Is Used For Iteration
    let i = 0;
    while (i < 10) {
      document.write("The Value Of I Is ", i);
      document.write("<br>");
      i++;
    }
  </script>
</body>
</html>
```

While Statement

Print 0 To 9 Using While Statement

The Value Of I Is 0
The Value Of I Is 1
The Value Of I Is 2
The Value Of I Is 3
The Value Of I Is 4
The Value Of I Is 5
The Value Of I Is 6
The Value Of I Is 7
The Value Of I Is 8
The Value Of I Is 9

2. do ... while loops

```
<!DOCTYPE html>

<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Do While Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }

    h1 {
      text-align: center;
    }
  </style>
</head>

<body>
  <h1>Do While Statement</h1>
  <script>
    // JavaScript Do While Statement
    // Do While Statement Is Used For Iteration
    let i = 0;
    do {
      document.write("The Value Of I Is ", i);
      document.write("<br>");
      i++;
    } while (i < 10);
  </script>
</body>

</html>
```

Do While Statement

The Value Of I Is 0
The Value Of I Is 1
The Value Of I Is 2
The Value Of I Is 3
The Value Of I Is 4
The Value Of I Is 5
The Value Of I Is 6
The Value Of I Is 7
The Value Of I Is 8
The Value Of I Is 9

3. for ... loops

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>For Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }

    h1 {
      text-align: center;
    }
  </style>
</head>

<body>
  <h1>For Statement</h1>
  <p>Printing Table Using For Statement</p>
  <script>
    // JavaScript For Statement
    // For Statement Is Used For Iteration
    for (let i = 1; i <= 10; i++) {
      document.write("2 X " + i + " = " + 2 * i);
      document.write("<br>");
    }
  </script>
</body>

</html>
```

For Statement

Printing Table Using For Statement

```
2 X 1 = 2
2 X 2 = 4
2 X 3 = 6
2 X 4 = 8
2 X 5 = 10
2 X 6 = 12
2 X 7 = 14
2 X 8 = 16
2 X 9 = 18
2 X 10 = 20
```

III. Switch Statements

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Switch Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }
    h1 {
      text-align: center;
    }
  </style>
</head>
<body>
  <h1>Switch Statement</h1>
  <script>
    // JavaScript Switch Statement
    // Switch Statement Is Used For Checking The Condition
    let day = "";
    switch (new Date().getDay()) {
      case 0:
        day = "Sunday";
        break;
      case 1:
        day = "Monday";
        break;
      case 2:
        day = "Tuesday";
        break;
      case 3:
        day = "Wednesday";
        break;
      case 4:
        day = "Thursday";
        break;
      case 5:
        day = "Friday";
        break;
      case 6:
        day = "Saturday";
        break;
    }
    document.write("Today Is " + day);
  </script>
</body>
</html>
```

Switch Statement

Today Is Sunday

IV. Jump Statements

1. break

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Break Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }
    h1 {
      text-align: center;
    }
  </style>
</head>
<body>
  <h1>Break Statement</h1>
  <script>
    // JavaScript Break Statement
    // Break Statement Is Used For Exiting The Loop
    for (let i = 0; i < 7; i++) {
      if (i == 3) {
        break;
      }
      document.write("The Value Of I Is ", i);
      document.write("<br>");
    }
  </script>
</body>
</html>
```

Break Statement

The Value Of I Is 0
The Value Of I Is 1
The Value Of I Is 2

2. continue

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Continue Statement</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }
  </style>
</head>
<body>
  <h1>Continue Statement</h1>
  <script>
    // JavaScript Continue Statement
    // Continue Statement Is Used For Skipping The Current Iteration
    for (let i = 0; i < 7; i++) {
      if (i == 3) {
        continue;
      }
      document.write("The Value Of I Is ", i);
      document.write("<br>");
    }
  </script>
</body>
</html>
```

```

    h1 {
        text-align: center;
    }
</style>
</head>
<body>
    <h1>Continue Statement</h1>
    <script>
        // JavaScript Continue Statement
        // Continue Statement Is Used For Skipping The Current Iteration
        for (let i = 0; i < 7; i++) {
            if (i % 2 == 0) {
                continue;
            }
            document.write("The Value Of I Is ", i);
            document.write("<br>");
        }
    </script>
</body>
</html>

```

Continue Statement

The Value Of I Is 1
 The Value Of I Is 3
 The Value Of I Is 5

D. Popup Boxes

1. alert

```

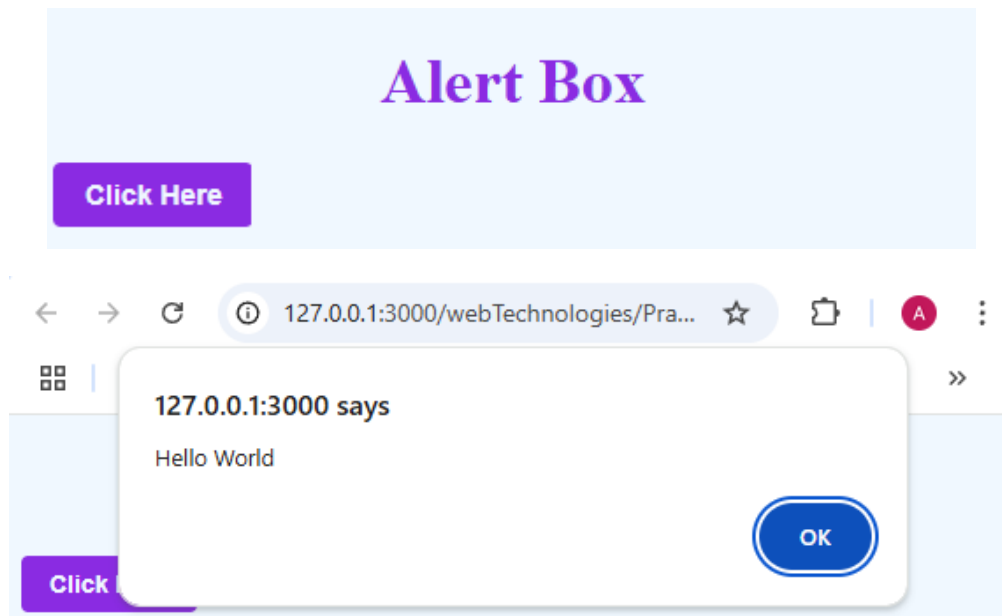
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Alert Box</title>
    <style>
        body {
            background: aliceblue;
            color: blueviolet;
        }
        h1 {
            text-align: center;
        }
        .button {
            margin: 0 auto;
            padding: 8px 16px;
            font: bold 14px sans-serif;
            color: aliceblue;
            background: blueviolet;
            border: none;
            border-radius: 4px;
        }
    </style>

```

```

</head>
<body>
  <h1>Alert Box</h1>
  <input class="button" type="button" value="Click Here" onclick="alert('Hello World')">
</body>
</html>

```



2. confirm

```

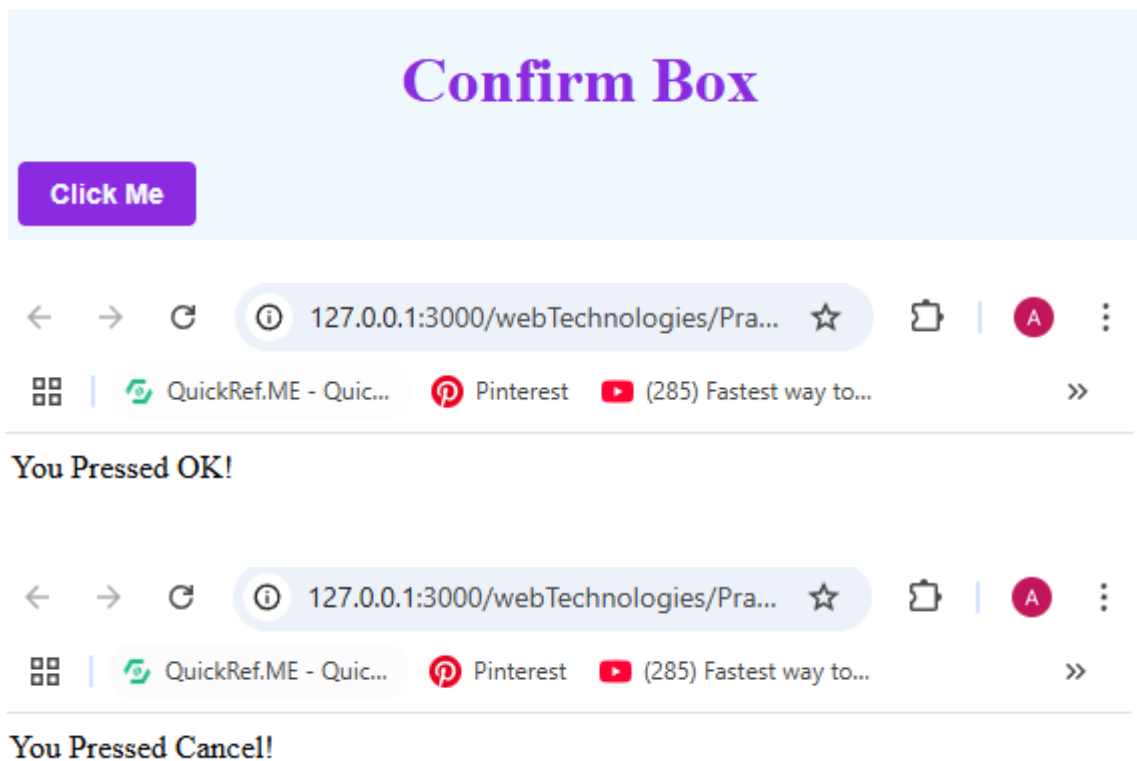
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }
    h1 {
      text-align: center;
    }
    .button {
      margin: 0 auto;
      padding: 8px 16px;
      font: bold 14px sans-serif;
      color: aliceblue;
      background: blueviolet;
      border: none;
      border-radius: 4px;
    }
  </style>
</head>
<body>
  <h1>Confirm Box</h1>
  <button class="button" onclick="myFunction()">Click Me</button>

```

```

<script>
  // JavaScript Confirm Box
  function myFunction() {
    let person = confirm("Are You Sure?");
    if (person == true) {
      document.write("You Pressed OK!");
    } else {
      document.write("You Pressed Cancel!");
    }
  }
</script>
</body>
</html>

```



3. prompt

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Prompt Box</title>
  <style>
    body {
      background: aliceblue;
      color: blueviolet;
    }

    h1 {
      text-align: center;
    }

```

```

.button {
  margin: 0 auto;
  padding: 8px 16px;
  font: bold 14px sans-serif;
  color: aliceblue;
  background: blueviolet;
  border: none;
  border-radius: 4px;
}
</style>
</head>
<body>
  <h1>Prompt Box</h1>
  <button class="button" onclick="myFunction()">Click</button>
  <script>
    function myFunction() {
      var person = prompt("Please enter your name", "Harry Potter");
      if (person != null) {
        document.write("Hello " + person + "! How are you today?");
      }
    }
  </script>
</body>
</html>

```

