If Else Statement Examples

Exmaple 1:

If value of a is greater than 10 , print "Big Number" , otherwise print "Small Number"

```html
<html>
  <body>
    <script>
      let a = 12;

      if (a > 10) {
        console.log("Big Number");
      } else {
        console.log("Small Number");
      }
    </script>
  </body>
</html>
```

Output:

```
Big Number
```

Exmaple 2:

If Given name of Movie Is "Spider Man" print "Spider" , "Jurasic Park" then "Dinosaur" , or
name is "Bat Man" print "Bat", otherwise print "Rio"

```html
<html>
  <body>
    <script>
      let movieName = "Jurasic Park";

      if (movieName == "Spider Man") {
        console.log("Spider");
      } else if (movieName == "Jurasic Park") {
        console.log("Dinosaur");
      } else if (movieName == "Bat Man") {
        console.log("Bat");
      } else {
        console.log("Rio");
      }
    </script>
  </body>
</html>
```

Output:

```
Dinosaur
```

Theory:

We can use Comparison and logical operators for $condition$ in If statement

Example :

We use 3 conditions rounded in blue color >

```
<script>
  let movieName = "Jurasic Park";

  if (movieName == "Spider Man") {
    console.log("Spider");
  } else if (movieName == "Jurasic Park") {
    console.log("Dinosaur"):
  } else if (movieName == "Bat Man") {
    console.log("Bat");
  } else {
    console.log("Rio");
  }
</script>
```

Comparison Operators

Comparison operators are used in logical statements to determine equality or difference between variables or values.

Given that **X = 5**, the table below explains the comparison operators:

Operator	Description	Comparing	Returns
==	equal to	x == 8	false
		x == 5	true
		x == "5"	true
!=	not equal	x != 8	true
>	greater than	x > 8	false
<	less than	x < 8	true
>=	greater than or equal to	x >= 8	false
<=	less than or equal to	x <= 8	true

Logical Operators:

Examples

Example 1:

```html
<html>
  <body>
    <script>
      let name1 = "Tharindu";
      let name2 = "Wishwi";

      if (name1 == "Kasun" || name2 == "Wishwi") {
        console.log("One or more my friends");
      } else {
        console.log("Not any of my friends");
      }
    </script>
  </body>
</html>
```

Output:

```
One or more my friends
```

Logical operators are used to determine the logic between variables or values.

Given that x = 6 and y = 3, the table below explains the logical operators:

Operator	Description	Example
&&	and	(x < 10 && y > 1) is true
||	or	(x == 5 || y == 5) is false
!	not	!(x == y) is true