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-----------------------------PRACTICAL 04-----------------------------

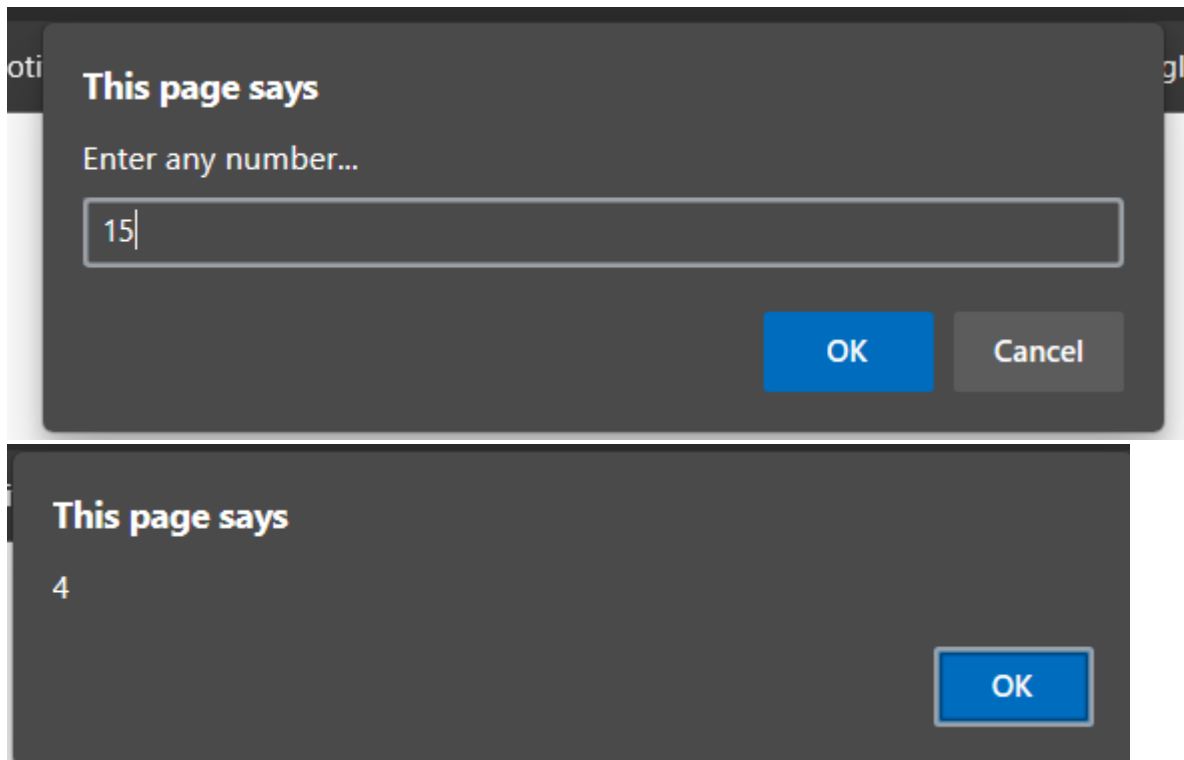➤ **Objective:** To understand the usage of Math object in JavaScript.

❖ Exercise 1:

You are about to develop a cryptographic algorithm in which there is a need to get double the absolute difference between a given number and 13. Develop the logic in JavaScript.

✓ **Source Code :**

```html
<html>
<head>
    <title>Practical-4(TUSHAR)</title>
</head>
<body>
    <script>
        function func() {
            let a = 13;
            var num = prompt("Enter any number...");
            var result = num - 13;
            Math.abs(result);
            alert(2 * result);
        }
        func();
    </script>
</body>
</html>
```

✓ **Output Screenshots:**

This page says

Enter any number...

15

OK   Cancel

This page says

4

OK

❖Exercise 2:

A small guessing game is to be developed which takes a random integer between 1 to 5, the user is then prompted to input a guess number.

If the user input matches with guess number, the program will display a message " Good Work" otherwise display a message " Not matched"

✓ **Source Code:**

```html
<html>
<head>
    <title>PRAC-4(TUSHAR)</title>
</head>
<body>
    <script>
        function tk() {
            alert("****Welcom to Guess the number Game****");
            var t = prompt("Guess a number between 1 to 5...");
            let k = Math.floor((Math.random() * 5) + 1);
            alert("random number genrated between 1 to 5 is :- " + k);
            if (t == k) {
                alert("----Good Work!!!-----")
            }
```

```
        else {
            alert("Sorry! not Matched\nBetter Luck Next Time....")
        }
    }
    fun();
    </script>
</body>
</html>
```

✓ Output Screenshots:

This page says

****Welcom to Guess the number Game****

OK

This page says

Guess a number between 1 to 5...

4

OK   Cancel

This page says

random number genrated between 1 to 5 is :- 3

OK

This page says

Sorry! not Matched
Better Luck Next Time....

OK

This page says

Guess a number between 1 to 5...

7

OK   Cancel

This page says

random number genrated between 1 to 5 is :- 2

OK

This page says

Sorry! not Matched
Better Luck Next Time....

OK