

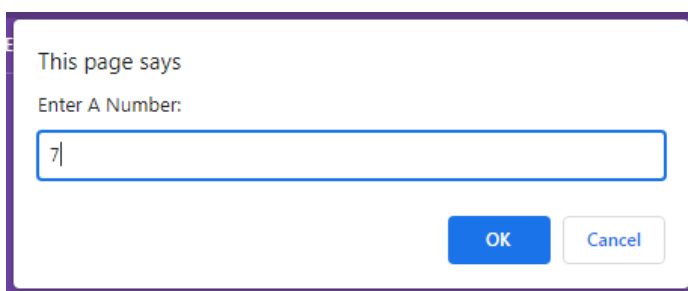
# **ASSIGNMENT-7**

Q1. W.A.P. to calculate factorial of a number using do-while

➤ **Code:**

```
<!DOCTYPE html>
<html lang="en">
<head> <title>Assignment-7</title> </head>
<body></body>
<script>
    var num = parseInt(prompt("Enter A Number: "))
    var fact=i=1;
    do{
        fact*=i;
        i++;
    }while (i<=num)
    document.write("The Fectorial Of ",num," Is: ",fact);
</script>
</html>
```

➤ **Output:**



The Fectorial Of 7 Is: 5040

# **ASSIGNMENT-7**

Q2.W.A.P. to find all prime numbers form 1-100

➤ **Code:**

```
<!DOCTYPE html>
<html lang="en">
<head>    <title>Assignment-7</title>  </head>
<body>  </body>
<script>
    let i,j;
    var isprime

    document.write("The prime Numbers Between 1 - 100 Are: ")
    for(i=1;i<=100;i++){
        isprime = 1;
        for(j=2;j<=i/2;j++){
            if (i%j==0) {
                isprime = 0;
                break;
            } else {
                isprime = 1;
            }
        }
        if (isprime == 1) {
            document.write(i," , ")
        }
    }
</script>
</html>
```

➤ **Output:**

The prime Numbers Between 1 - 100 Are: 1 , 2 , 3 , 5 , 7 , 11 , 13 , 17 , 19 , 23 , 29 , 31 , 37 , 41 , 43 , 47 , 53 , 59 , 61 , 67 , 71 , 73 , 79 , 83 , 89 , 97

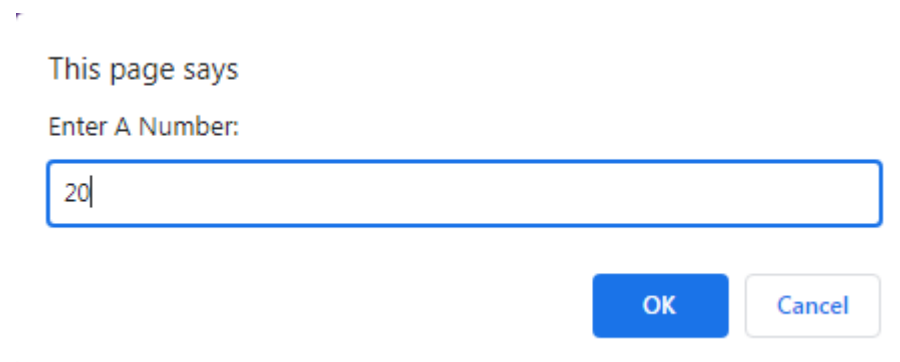
# **ASSIGNMENT-7**

**Q3. W.A.P. to print the series 1 3 5 7 using for loop**

➤ **Code:**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Assignment-7</title>
</head>
<body>
</body>
<script>
var num = parseInt(prompt("Enter A Number: "))
    for (let i=1;i<=num;i++){
        if (i%2!=0) {
            document.write(i,",")
        }
    }
}</script>
</html>
```

➤ **Output:**



1,3,5,7,9,11,13,15,17,19,

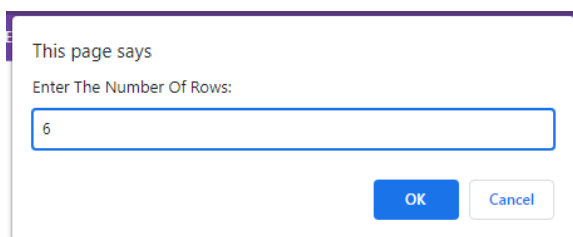
# **ASSIGNMENT-7**

Q4. W.A.P. to print the following

➤ Code:

```
<!DOCTYPE html>
<html lang="en">
<head>    <title>Assignment-7</title>    </head>
<body></body>
<script>
var num = parseInt(prompt("Enter The Number Of Rows: "))
    let i,j,k=1;
    for(i=1;i<=num;i++){
        for(j=1;j<=i;j++){
            document.write(" ",k," ");
            k++;
        }
        document.write("<br>")
    } }
</script>
</html>
```

➤ Output:



```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
```

# **ASSIGNMENT-7**

16 17 18 19 20 21

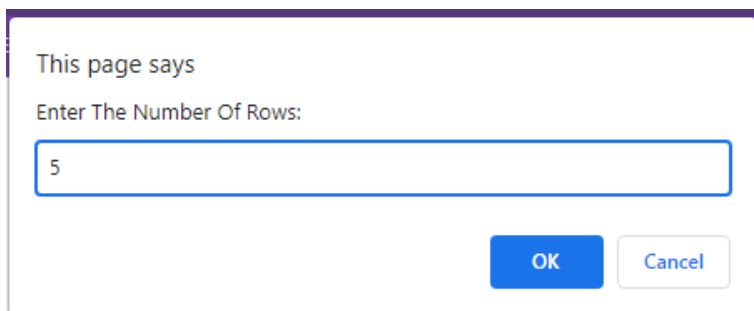
Q5. W.A.P. to print following parttern.

➤ Code:

```
<!DOCTYPE html>
<html lang="en">
<head> <title>Assignment-7</title> </head>
<body></body>
<script>
var num = parseInt(prompt("Enter The Number Of Rows: "))
    let i,j;
    for(i=1;i<=num;i++){
        for(j=1;j<=i;j++){
            document.write(" ",j," ");

        }
        document.write("<br>")
    }</script>
</html>
```

➤ Output:



```
1
1 2
1 2 3
1 2 3 4
```

# **ASSIGNMENT-7**

1 2 3 4 5

Q6. W.A.P. to enter 4 digit number and reverse it using do-while.

```
<!DOCTYPE html>

<html lang="en">

<head>    <title>Assignment-7</title>  </head>

<body>

</body>

<script>

    var num = parseInt(prompt("Enter A Number"))

    do {

        var r = parseInt(num%10)

        document.write(r)

        num/=10;

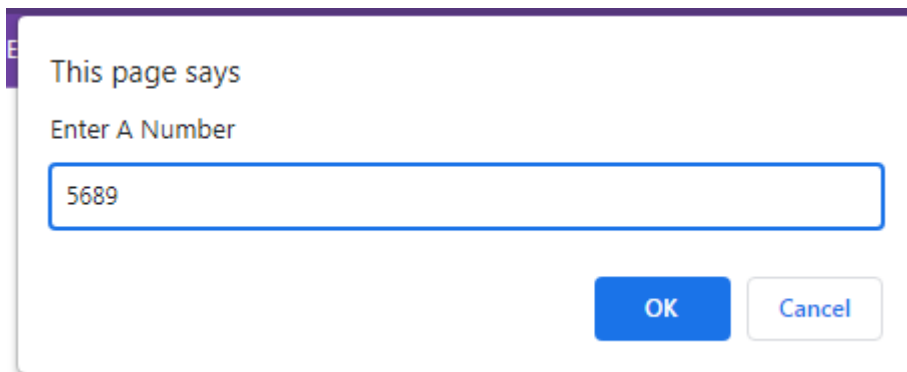
    } while (num>=1);

    document.write("<br>")

</script>

</html>
```

➤ **Output:**



9865

# **ASSIGNMENT-7**

Q7. WAP to display output of series using for loop (  $x+x^2+x^3+...+x^n$  ).

➤ Code:

```
<!DOCTYPE html>

<html lang="en">

<head>    <title>Assignment-7</title>  </head>

<body> </body>

<script>

var num = parseInt(prompt("Enter The Power: "));

    var base = parseInt(prompt("Enter The base: "));

    var n,sum=0,i;

    for(i=1;i<=num;i++){

        if (i==num) {

            document.write(base,"<sup>",i,"</sup> ");

        } else {

            document.write(base,"<sup>",i,"</sup> + ");

        }

        z = Math.pow(base,i);

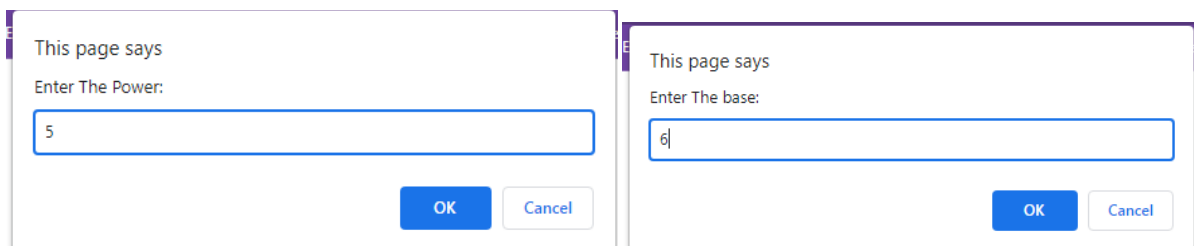
        sum+=z

    }

    document.write(" = ",sum);    </script>

</html>
```

➤ Output:



The image shows two sequential browser prompts. The first prompt, titled 'This page says', asks 'Enter The Power:' and has the number '5' entered in the text field. The second prompt, also titled 'This page says', asks 'Enter The base:' and has the number '6' entered in the text field. Both prompts have 'OK' and 'Cancel' buttons at the bottom right.

$$6^1 + 6^2 + 6^3 + 6^4 + 6^5 = 9330$$

# **ASSIGNMENT-7**

Q8. WAP to calculating average of n number using while loop

➤ Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Assignment-7</title>
</head>
<body>
</body>
<script>
var num = parseInt(prompt("Enter The Number"));
    var i=1,sum=0;
    while (i<=num) {
        n = parseInt(prompt("Enter "+i +" Number: "))
        sum+=n;
        i++;
    }
    document.write(sum/n);
</script>
</html>
```

➤ Output:



# ASSIGNMENT-7

This page says

Enter The Number

OK

Cancel

This page says

Enter 1 Number:

OK

Cancel

This page says

Enter 3 Number:

OK

Cancel

This page says

Enter 2 Number:

OK

Cancel

3.0151515151515

# **ASSIGNMENT-7**

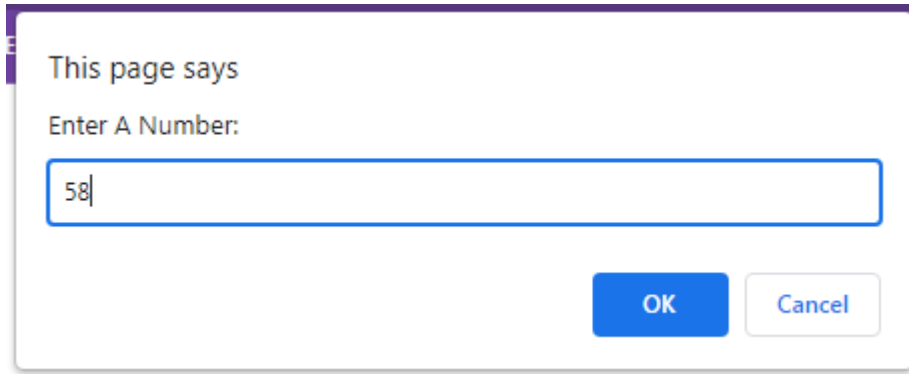
Q9.WAP to print a multiplication table of n number using while loop

➤ Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Assignment-7</title>
</head>
<body>
</body>
<script>
var num = parseInt(prompt("Enter A Number: "));
    var i = 1;
    while (i<=10) {
        document.write(num , " * " , i , " = " , i*num , "<br>")
        i++;
    }
</script>
</html>
```

➤ Output:

# **ASSIGNMENT-7**



This page says

Enter A Number:

OK Cancel

$$58 * 1 = 58$$

$$58 * 2 = 116$$

$$58 * 3 = 174$$

$$58 * 4 = 232$$

$$58 * 5 = 290$$

$$58 * 6 = 348$$

$$58 * 7 = 406$$

$$58 * 8 = 464$$

$$58 * 9 = 522$$

$$58 * 10 = 580$$

# **ASSIGNMENT-7**

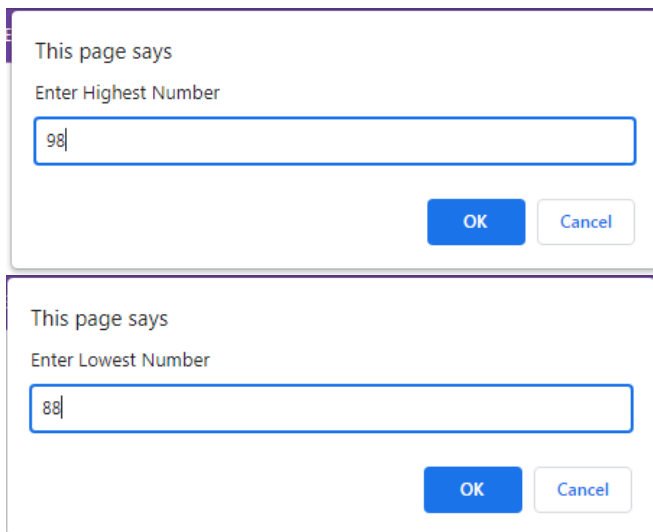
Q10. WAP to print highest to lowest number using while loop

➤ Code:

```
<!DOCTYPE html>
<html lang="en">
<head> <title>Assignment-7</title> </head>
<body></body>
<script>
var highest = parseInt(prompt("Enter Highest Number"));
    var lowest = parseInt(prompt("Enter Lowest Number"));

    while (highest>=lowest) {
        document.write(highest , " ");
        highest--;
    }</script>
</html>
```

➤ Output:



The image shows two sequential browser prompts. The first prompt is titled 'This page says' and contains the text 'Enter Highest Number'. Below the text is a text input field containing the number '98'. At the bottom right of the prompt are two buttons: 'OK' and 'Cancel'. The second prompt is also titled 'This page says' and contains the text 'Enter Lowest Number'. Below the text is a text input field containing the number '88'. At the bottom right of the prompt are two buttons: 'OK' and 'Cancel'.

98 97 96 95 94 93 92 91 90 89 88