

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Document</title>
</head>
<body>
    <!--Question 1
Level 1

```

Question:

Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line.  
-->

```

    <script>

        document.write("<h1>ANS ONE</h1>");
        for (var i=1;i<=100;i++){
            if((i%5==0) && (i%7!=0)){
                document.write(i + "<br>");
            }
        }

    </script>

```

```

    <!--Question 2
Level 1

```

Question:

Write a program which can compute the factorial of a given numbers. The results should be printed in a comma-separated sequence on a single line. Suppose the following input is supplied to the program:  
8  
Then, the output should be:  
40320--><!--

```

    <script>

        document.write("<h1>ANS TWO</h1>");
        var x= 1;
        var y= parseInt(prompt("Enter the number",""));

        for(var i=1;i<=y;i++){
            x=x*i;
        }
        document.write("Factorial of " +y+ " is " + x + "<br>");

    </script>-->

```

```

    <!--Question 3
Level 1

```

Question:

With a given integral number n, write a program to generate a dictionary that contains (i, i\*i) such that i is an integral number between 1 and n (both included). and then the program should print the dictionary. Suppose the following input is supplied to the program:

8

Then, the output should be:

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64}

-->

<!--<script>

```
var x = parseInt(prompt("enter number for square",""));
for(var i=1; i<=x;i++){
    var y=i*i;
    document.write(i+" : "+y+" , ");
}
```

</script>-->

<!--Question 5

Level 1

Question:

Define a class which has at least two methods:

getString: to get a string from console input

printString: to print the string in upper case.

Also please include simple test function to test the class methods.

-->

<!--

<script>

```
var x = prompt("enter a string","");
var y= x.toLowerCase();
document.write(y);
</script>
```

-->

<!--

Question 6

Level 2

Question:

Write a program that calculates and prints the value according to the given formula:

$Q = \text{Square root of } [(2 * C * D)/H]$

Following are the fixed values of C and H:

C is 50. H is 30.

D is the variable whose values should be input to your program in a comma-separated sequence.

Example

Let us assume the following comma separated input sequence is given to the program:

100,150,180

The output of the program should be:

18,22,24

-->

```
<script>
  var c = 50;
  var h = 30;
  var x = [];
  for(var i=0; i<3;i++){
    var y= parseInt(prompt());
    x.push(y);
    var result= Math.round(Math.sqrt((2*c*x[i])/h));
    document.write(result + " , ");
  }

</script>
```

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