(1)  Get number of hours, minutes and seconds from number of seconds.

For example :  If number of seconds provided are 129 , then number of hours will be 0 , minutes 2, seconds 9.

Input :  Number of seconds.  
Output : “Hours = ‘number of hours’, minutes = ‘number of minutes’ , seconds = ‘number of seconds’ ”

PROGRAM:-

<script>

var time = prompt("Enter no of seconds")

var noOfMinutes = Math.floor(time/60)

var noOfSeconds = time - noOfMinutes\*60

var noOfHours = Math.floor(time/3600)

document.write("Hours="+noOfHours, "minutes="+noOfMinutes, "seconds="+noOfSeconds);

</script>

(2) You are given  two numbers L and R, you have to find if XOR of all the numbers in range L to R (L,R both inclusive) is odd or even.

Input:  
The first line will contain T, number of testcases.  
Each testcase contains a single line of input, two integers L,R.

Output:  
For each testcase, in the new line print "Odd" if the XOR in the range is odd, else print "Even".

Sample Input:  
  4  
  1 4  
  2 6  
  3 3  
  2 3

Sample Output:  
  Even  
  Even  
  Odd  
  Odd

PROGRAM:-

<script>

// Javascript implementation of the approach

// Function to return the XOR of elements

// from the range [1, n]

function findxOR(n)

{

let mod = n % 4;

// If n is a multiple of 4

if (mod == 0)

return n;

// If n % 4 gives remainder 1

else if (mod == 1)

return 1;

// If n % 4 gives remainder 2

else if (mod == 2)

return n + 1;

// If n % 4 gives remainder 3

else if (mod == 3)

return 0;

}

// Function to return the XOR of elements

// from the range [l, r]

function findXOR(l, r)

{

return (findxOR(l - 1) ^ findxOR(r));

}

let l = 4, r = 8;

document.write(findXOR(l, r));

If xor(r)/2=0

document.write(“EVEN”)

Else

document.write(“ODD”)

</script>

(3)  You are given with T number of strings. You need to sort the strings according to their first character.

Input :  
4  
“AXXX”  
“UVVVV”  
“PGGGG”  
“BOOUU”

Output :  
“AXXX”  
“BOOUU”  
“PGGGG”  
“UVVVV”

PROGRAM:-

<script>

// JavaScript code to sort strings

// Original string

var string = ["AXXX","UVVVV","PGGGG","BOOUU"];

// Print original string array

document.write("Original String</br>");

document.write(string);

document.write("</br>");

// Use sort() method to sort the strings

string.sort();

document.write("</br>After sorting</br>");

// Print sorted string array

document.write(string);

</script>