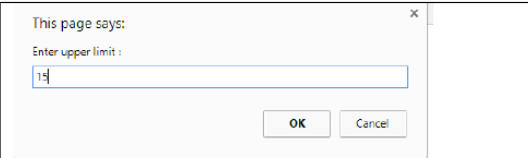
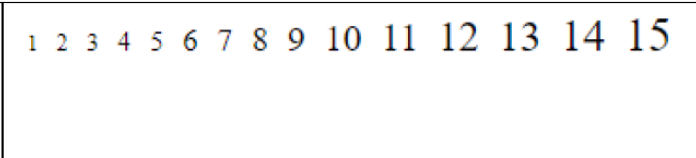
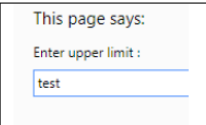
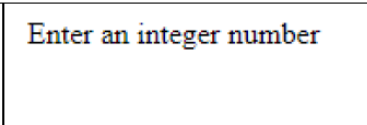
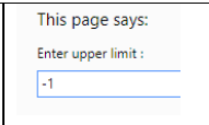
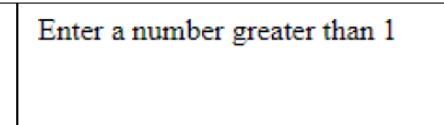


# Javascript Exercises

1 . ) Write a javascript program that gets an integer number greater than 0, and display numbers starting from 1 to the given number in increasing font size. 1's font size is 10px, and it increases by 1. There are 10px right margin for all numbers. You need to check if the input is a number or not, and then the number should be greater than 1. If the number is greater than 1, but it is not an integer, then, leave out the decimal part (parseInt).

	
Fig 1a: A number from prompt box.	Fig 1b : The result.

			
Fig 1c: NaN	Fig 1d: Error message	Fig 1e : Range wrong	Fig 1f: Error message

Partials :

- 10Pts – Input Validation (Errors)
- 10Pts – Display numbers 10px apart
- 10Pts – Gradual increase of font sizes.

2. ) Write a JavaScript program that gets an integer number between 1 and 50 from the user, **Fig 1a**. You do not need to validate the input. Assume that the user enters the number correctly. Then, your program will generate 10 random numbers between 1 and 50, and it will show the numbers in such a way that if the number is greater or equal to the user number, it shows such numbers in bold and font-size 22px, otherwise it displays the numbers in default way. The space between numbers are 30px. See **Fig 1b**.

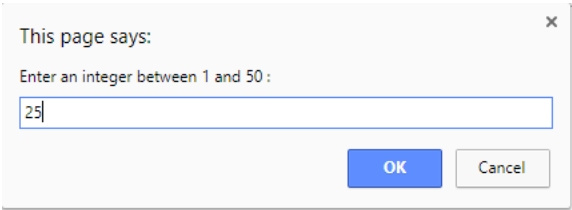


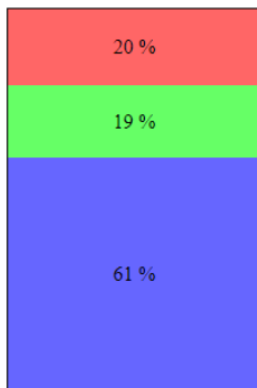
Fig 1a: Get an integer number from the user

User Number : 25

6 14 49 28 10 10 12 40 32 19

Fig 1b: Show random numbers.

3. ) Write a javascript program that randomly generates 3 random integer numbers. A random number can not be smaller than 10, and they will sum up to 100. You will show the percentage of numbers in vertically stacked colored bars/divs. Their background colors are #f66, #6f6 and #66f respectively. The width of the bars is 200px, and their heights are proportional to 300px. (if it is 20%, its height is  $300 \times 0.2 = 60\text{px}$ ) The numbers are centered in vertical and horizontal directions. The outer container has a 1px solid black border, and centered in the page.



**Partials :**

- 5Pts – 3 random numbers.
- 10Pts – Their sum up to 100.
- 5Pts – Colored bars with numbers.
- 5Pts – Center numbers verically and horizontally
- 5Pts – Calculate bar's height and show accordingly.
- 5Pts – Container has a border and centered in the page.

Fig 2a: Randomly created blocks.