

JS- Exercise Part -1

1. Declare a variable firstname and initialize it with the value 'Lata'.
2. Use your variables to alert "hello world"
3. Declare a variable flower and assign it the value 'rose'. Declare a second variable tree and assign it the value 'maple'. And print on page
4. Write a JavaScript program to convert temperatures to and from Celsius, Fahrenheit.
 - a. Fahrenheit to Celsius : $(^{\circ}\text{F} - 32) \div 1.8 = ^{\circ}\text{C}$
 - b. Celsius to Fahrenheit : $(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
5. Write a JavaScript number of minutes in hours and minutes.
6. Write a JavaScript program to determine whether a given year is a leap year.
7. Write a program that checks if a number is greater than or equal to 100 and less than 1000.
8. Write a JavaScript program that accept two integers and display the larger.
9. Write a JavaScript program to check whether a given integer is within 20 of 100 or 400.
10. Write a JavaScript program to check from two given integers, whether one is positive and another one is negative.
- 11.
12. Write a JavaScript program which compute, the average marks of the following students Then, this average is used to determine the corresponding grade. Go to the editor
 - a.

Student Name	Marks
i. David	80
ii. Vinoth	77
iii. Divya	88
iv. Ishitha	95
v. Thomas	68
 - b. The grades are computed as follows :
 - i. RangeGrade
 1. <60 F
 2. <70 D
 3. <80 C

4. <90 B

5. <100 A

13. Write a program that add amounts with surcharge. For amount less than or equal to 10, the surcharge is 1. For amount greater than 10, the surcharge is 2.

14. Write a JavaScript program to check from two given integers, whether one is positive and another one is negative.

15. Write a program to enter the one number and get the divisor value list.

16. Write a program for factorial Number. N!

17. Write a JavaScript program to find the armstrong numbers of 3 digits.

a. : An Armstrong number of three digits is an integer such that the sum of the cubes of its digits is equal to the number itself. For example, 371 is an Armstrong number since $3^3 + 7^3 + 1^3 = 371$

18. Write a program accepts a number and adds all natural numbers smaller or equal than the number.

N=3 , ans =1+2+3=6

19. Write a JavaScript for loop that will iterate from 0 to 15. For each iteration, it will check if the current number is odd or even, and display a message to the screen.

Sample Output :

"0 is even"

"1 is odd"

"2 is even"

20. Write a JavaScript program to construct the following pattern, using a nested for loop.

***** ***** ***** ***** *****	* * * * * * * * * * * * * * *
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21. Check if a string contains the letter “y”. Print “yes” if it does and “no” if it does not.

22. Write a JavaScript program to display the colors in the following way :

Here is the sample array:

```
color = ["Blue ", "Green", "Red", "Orange", "Violet", "Indigo", "Yellow "];
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```
o = ["th", "st", "nd", "rd"]
```

Output

"1st choice is Blue ."

"2nd choice is Green."

"3rd choice is Red."

23. Create an array of pizza toppings, like this:

a. ['Cheese', 'Ham', 'Bits', 'Tomatoes'];

b. Answer is : A tasty pizza with Cheese and Ham and Bits and Tomatoes

24.