JS Activity Day

JS Functions

1. Write the function to calculate a number's square?
2. Declare 2 variables as num1 and num2, and

    a. Write a function to add these two numbers and name the function as addNum.
    b. Write a function to multiply these two numbers and name the function as multiNum.

    c. Write a function to subtract these two numbers and name the function as subtractNum.

    d. Write a function to divide these two numbers and name the function as divideNum.

    e. The outputs must be like this

    i. The addition of the two numbers is **output**

    ii. The multiplication of the two numbers is **output**

    iii. The subtraction of the two numbers is **output**

    iv. The division of the two numbers is **output**

3. Write a function to print "Hello World" in an alert?

4. Write a function to calculate the volume of a cuboid (Volume=length*width,*height)?

5. Create an object (firstName - Nimal, lastName - Raj, age - 15, city - Kandy) and assign it to a variable named person. Write the JS code to have the following output?
Output:
My name is Nimal Raj. I'm 15 years old. I live in Kandy.

6. Create an object (courseName- BIT, courseFee- Rs 150 000, startDate- 12.06.2018, center- Our Office) and assign it to a variable named course. Write the JS code to have the following output?
Output:
Course Name: BIT Course
Fee: Rs 150000
Start Date: 12.06.2018
Center: Our Office

JS If Else

7. What number's bigger?
   - Write a function named greaterNum that:
     - takes 2 arguments, both numbers.
     - returns whichever number is the greater (higher) number.
   - Call that function 2 times with different number pairs, and log the output to make sure it works (e.g. "The greater number is 5 ").

8. What number's biggest?
   - Write a JavaScript conditional statement to find the largest of five numbers.
     - Display an alert box to show the result.
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9. The Grade Assigner
   - Write a function named assignGrade that:
     - takes 1 argument, a number score.
     - returns a grade for the score, either "A", "B", "C", or "F".
     - Marks >=75: A, Marks >=60: B, Marks >=45: C, Marks <45: F,
   - Call that function for a few different scores and log the result to make sure it works.

10. The Color Assigner
   - Write If Else statement that performs the following:
     - takes 1 argument, a number score.
     - If the number is between 0 and 10, write the word blue. If the number is between 10 and 20, write the word red. if the number is between 20 and 30, write the word green. If it is any other number, write that it is not a correct colour option.

JS Switch

11. Write the code to get the month and if we put in a number from 1-12, and the month name has to come out.
(Ex: If We input 3, in the console it has to show, March)

JS Array

12. What are the two methods for creating an empty array?
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13. Write a Javascript Function which returns the

1.1) Max value in an array passed as an argument.
1.2) Min value in an array

14. Add 5 new fruits in the middle of the following array. var fruits = ["Apple","Banana"]
    3.1) Get the fruit name in index 3?
    3.2) Get the length of the array?
    3.3) Get the reverse order of elements of fruits?

15. Create an array called num with following numbers 4,1,8,3,9,12. Print the sorted array

16. var foods = ["rice", "pizza", "sandwich", "rolls"];
    a. Removes the last element ("rolls") from foods
    b. 11. Adds a new element ("cake") to foods
    c. 111. Removes the first element "rice" from foods

17. Create an array like this. var fruits = ["Apple"];
    1) Add Pineapple, Lemon before “Apple”
    11) Add “Orange", "Peach" after “Apple”
    (Use suitable codes to create this array)