JavaScript Programming Assignment
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1. Write a program to replace the "Hyder" to "Islam" in the word "Hyderabad" and display the result in your browser.

City: Hyderabad
After replacement: Islamabad

2. Write a program that converts a string "472" to a number 472. Display the values & types in your browser

Value: 472
Type: string
Value: 472
Type: number

3. Write a program that takes a positive integer from user & display the following in your browser.
   a. number
   b. round off value of the number
   c. floor value of the number
   d. ceil value of the number

number: 3.45214
round off value: 3
floor value: 3
ceil value: 4

4. Write a program that simulates a dice using random() method of JS Math class. Display the value of dice in your browser.

> random dice value: 4

> random dice value: 6

5. You have a string "The quick brown fox jumps over the lazy dog". Write a program to count the number of occurrences of the word "the" in given string.

> Text: The quick brown fox jumps over the lazy dog
> There are 2 occurrence(s) of word 'the'

6. Write a program that round a number to a given decimal places.

Input:		Output:
16.765 , 2	⟶	16.77
12.37982 , 2	⟶	12.38
-9.3079499 , 4	⟶	-9.3079

7. Write a program to take input of a Number and find a Mean of All Digits
E.g: 666 = 6 + 6 + 6 = 18 /3 = 6

1246 = 1 + 2 + 4 + 5 = 12 / 4 = 3

Input:	Output:
42	3
12345	3
666	6

8. Write a program that shows the message "First fifteen days of the month" if the date is less than the 16th of the month else shows "Last days of the month".

First fifteen days of the month

9. Write a program that determines the minutes since midnight, Jan1, 1970 and assigns it to a variable that hasn't been declared beforehand. Use any variable you like to represent the Date object.

Current Date: Sat Dec 05 2015 22:32:23 GMT+0500 (PKT)
Elapsed milliseconds since January 1, 1970: 1449336743386
Elapsed minutes since January 1, 1970: 402593.53982944443

10. Create a Date object for the current date and time. Extract the hours, reset the date object an hour ahead and finally display the date object in your browser.

current date: Sat Dec 05 2015 23:08:16 GMT+0500 (PKT)
1 hour ago, it was Sat Dec 05 2015 22:08:16 GMT+0500 (PKT)

11. Write a program to ask the user about his age. Calculate and show his birth year in your browser.

Your age is 21
Your birth year is 1994

12. Write a program to ask the user to write anything using prompt method if user write anything in prompt then print that on console

else print "Data Not Found". Note: You cannot use if else statement for this program.

13. Write a program in JavaScript to ask user to enter any year and print the days of the year n console.

Example: 2023 = 365 days, 2024 = 366 days.

14. Write a JavaScript function to count the number of days passed since the year (2023) began.

15. How many days, hours and minutes are left till next class start which will be held on 31 August 2023 19:00:00

16. Write a programs in JavaScript and ask the user to enter his or her favourite day of the week. If   he or she enter Saturday or Sunday then print it's weekend otherwise it's a working day.