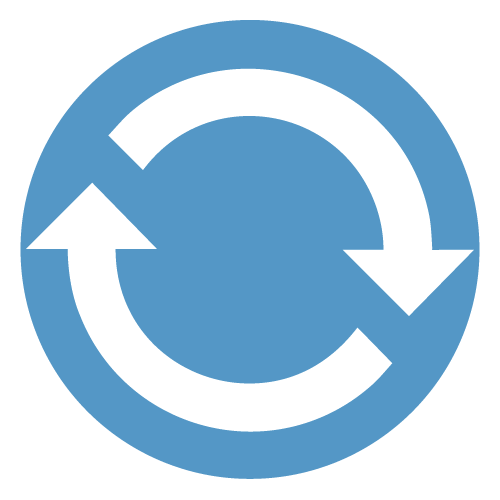
**JavaScript Assignment 12: Loops**



**Objective:** The objective of this assignment is to create a JavaScript program that performs various operations on a given number, including finding the sum of its digits, checking if it is an Armstrong number, checking if it is a prime number, and printing all its factors.

[Link1](https://www.youtube.com/watch?v=zO5-OnRA5lA)

**Tasks:**

* Write a JavaScript program that performs the following operations on a given number:
* Find the sum of all its digits ex ( number is 135 then 1+3+5 = 9).
* Check if it is an Armstrong number.
  + An Armstrong number is one whose sum of digits raised to the power three equals the number ( ex 153 => 1^3 + 5^3 + 3^3 = 153 )
* Check if it is a prime number.
* Print all its factors.
* Use different variables for checking all the things
* Display the results of each operation to the user using console.log.

**Instructions:**

1. Utilise proper control structures (loops, conditionals) to perform the operations.
2. At Least 5 variables to check.

**Sample Output**:

Ex - Number :- 153

Sum of its digits: 9

Is it an Armstrong number? Yes

Is it a prime number? No

Factors: 1, 3, 17, 51, 153

**Submission Guidelines :-**

* Deploy your code to netlify make sure to name your html file as index.html.
* If you don’t know how to deploy on netlify, watch this video : <https://youtu.be/Ii2Y4i4_i-o>
* Submit the Deployed Link below in the same task number

Submit the deployed link here: [https://upskillmafia.com/mern/dashboard/tasks](http://upskillmafia.com/mern/dashboard/tasks)

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| **Note :** You can take help from **Internet** or You can also connect with upskill Mafia **Mentors** |