**List of JavaScript Programs to be implemented**

1. **Programs to be done by learner’s to demonstrate their readiness with “Conditional statements”**
   1. Write a program to accept a number N and print whether the number is EVEN or ODD.
   2. Write a program to accept two numbers and print whether their sum is EVEN or ODD

1. **Programs to be done by learner’s to demonstrate their readiness with “Looping constructs”**
   1. Write a program to print all numbers from 1 to 100 i.e. 1 2 3 4 5 6 7 . . . 98 99 100
   2. Write a program to print alternate numbers starting from 1 to 99 i.e. 1 3 5 7 9 11 13 . . . 95 97 99
   3. Write a program to print alternate numbers starting from 0 to 100 i.e. 0 2 4 6 8 10 12 . . . 96 98 100
   4. Write a program to print all numbers backwards from 100 to 0 i.e. 100 99 98 97 96 . . . 4 3 2 1 0
   5. Write a program to print numbers backwards from 100 to 1 by skipping 2 numbers i.e. 100 97 94 91 88 85 82 79. . . 22 19 16 13 10 7 4 1

1. **Print the below shape on a browser window [10 rows right-angled left justified numbers]**

1

12

123

1234

12345

123456

1234567

12345678

123456789

12345678910

1. **Print the below shape on a console window [10 rows right-angled right-justified stars]**

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1. **In the Martian land faraway, a new virus has evolved and is attacking the individuals at a fast pace. The scientists have figured out the virus composition, V. The big task is to identify the people who are infected. The sample of N people is taken to check if they are POSITIVE or NEGATIVE. A report is generated which provides the current blood composition B of the person.**

POSITIVE or NEGATIVE ?

If the blood composition of the person is a subsequence of the virus composition V, then the person is identified as POSITIVE otherwise NEGATIVE.

Example:

Virus Composition, V = coronavirus

Blood Composition of the person , B = ravus

The person in question is POSITIVE as B is the subsequence of the V.

The scientists are busy with their research for medicine and request you to build a program which can quickly figure out if the person is POSITIVE or NEGATIVE. They will provide you with the virus composition V and all the people’s current blood composition. Can you help them?

Note: The virus and blood compositions are lowercase alphabet strings.