**Sort array contains three number 0 ,1 ,2**

**Approach : *Dutch National Flag algorithm***

The Dutch National Flag algorithm, also known as 3-way partitioning, is an algorithm for sorting an array containing three distinct values. The algorithm was designed to solve the problem of sorting an array containing only 0s, 1s, and 2s.

**Linked list :**

* Fast and slow pointer : to detect cycle
* Prev current and next : reverse linked list

**\*\*Find max without control statement**

**-Approach 1 : Ai (universal)**

**Example :** for two

int a = 13;

int b = -45;

int result = (a + b + Math.abs(a - b)) / 2;

System.out.println("Maximum Element: " + result);

**Example :** for three

int a = 10;

int b = 25;

int c = 7;

int maxAB = (a + b + Math.abs(a - b)) / 2;

int maxABC = (maxAB + c + Math.abs(maxAB - c)) / 2;

System.out.println("Maximum: " + maxABC);

-**Approach 2 : for c**

a> b && printf("%d",a);