Detect Loops in Linked List:

class Node {

    constructor(data){

        this.data = data;

        this.next = null;

    }

}

class Solution {

    detectLoop(head)

    {

        let tortoise = head

        let hare = head

        while(hare!==null && tortoise.next !== null){

            tortoise = tortoise.next

            hare = hare.next.next

            if(tortoise === hare){

                return true

            }

        }

        return false

    }

}

let head = new Node(1);

let second = new Node(2);

let third = new Node(3);

let fourth = new Node(4);

head.next = second;

second.next = third;

third.next = fourth;

fourth.next = second; //toggle

let solution = new Solution();

console.log(solution.detectLoop(head));

**Cyclically Rotate an Array:**

class Solution{

    rotate(arr,n){

        let element = arr.pop()

        arr.unshift(element)

        return arr

    }

}

let TestSolution = new Solution()

console.log(TestSolution.rotate([1, 2, 3],3))

**Reversing An Array:**

class ReadlineConsole {

  constructor() {

    this.numbers = [];

    this.readline = require("readline").createInterface({

      input: process.stdin,

      output: process.stdout,

    });

  }

  async getNumbers() {

    const ask = async (question) => {

      return new Promise((resolve) => {

        this.readline.question(question, resolve);

      });

    };

    let input = await ask(

      "Enter required number of integers separated by spaces and then press enter: "

    );

    input = input.trim().replace(/\s+/g, " "); // Remove leading/trailing spaces and consecutive spaces

    let numbersArray = input.split(" ");

    for (let i = 0; i < numbersArray.length; i++) {

      let number = parseInt(numbersArray[i]);

      if (!isNaN(number)) {

        this.numbers.push(number);

      }

    }

    this.readline.close();

  }

  async showNumbers() {

    for (let i = 0; i < this.numbers.length; i++) {

      console.log(this.numbers[i]);

    }

  }

  async reverseArray() {//O(n)

    let arr = this.numbers;

    let arr2 = [];

    for (let i = arr.length - 1; i >= 0; i--) {

      arr2.push(arr[i]);

    }

    console.log("Reversed =====>", arr2);

  }

  async reverseArrayOnby2() {//O(n/2)

    let arr = this.numbers;

    let start = 0

    let end = arr.length-1

    while (start<end) {

        var temp = arr[start];

        arr[start] =  arr[end]

        arr[end] = temp

        start++;

        end--;

    }

    console.log("Reversed =====>", arr);

  }

}

(async () => {

  const readConsole = new ReadlineConsole();

  await readConsole.getNumbers();

  readConsole.showNumbers();

  //readConsole.reverseArray();

  readConsole.reverseArrayOnby2();

})();