**1. using rest operator function concept pass n no of arguments and get the maxium of it (forEach)**

Ans.

function Maximum(...nums) {

let max = -500;

nums.forEach(n=> {

if (n > max) {

max = n; }

});

return max;

}

const maxNum = Maximum(3, 7, 2, 8, 1);

**2.using rest operator function concept pass n no of arguments and get the minimum of it (reduce)**

Ans. const minimum = (...nums) => {

return nums.reduce((mini, num) => (mini < num ? mini : num), 1000);

};

console.log(minimum(7, 14, 5, 9 , 12));

**3.using rest operator function concept pass n no of arguments and get the sum of even numbers of it (forEach)**

Ans.

function SumEvens(...nums) {

let sum = 0;

nums.forEach(n => {

if (n % 2 === 0) {

sum += n; }

});

return sum;

}

const sum = SumEvens(1, 2, 3, 4, 5, 6, 7, 8, 9, 10);

**4.using rest operator function concept pass n no of arguments and  get the sum of even numbers of it(reduce)**

Ans. const adding = (...nums) => {

return nums.reduce((sum, num) => {

if (num % 2 == 0) {

return sum + num;

} else {

return sum;

}

}, 0);

};

console.log(adding(1, 2, 3, 4, 5, 6));

**5.using rest operator function concept pass n no of arguments an get the sum of all prime numbers of it(reduce).**

Ans.

function isPrime(num) {

if (num <= 1) return false;

for (let i = 2; i < num; i++) {

if (num % i === 0) {

return false; }

}

return true;

}

function sumOfPrimes(...numbers) {

const sum = numbers.reduce((n, val) => {

if (isPrime(val)) {

return n + val;

} else {

return n; }

}, 0);

return sum;

}

console.log(sumOfPrimes(2,5,6,7,3,9,1));

**6.using rest operator function concept pass n no of character arguments an get the count of all vowels numbers of it.(forEach)**

function countVowels(...nums) {

const vowels = ['a', 'e', 'i', 'o', 'u'];

let CountV = 0;

nums.forEach(str => {

str = str.toLowerCase();

for (let char of str) {

if (vowels.includes(char)) {

CountV++;

}

}

});

return CountV;

}

const count = countVowels('React', 'Python', 'JavaScript');

console.log("Number of vowels:", count);