// 1) Write a program to print the sum of odd digits in the number

// input: Enter a number: 1633

// output: Odd sum is : 7

let a = 1633;

a = a.toString();

let sum = 0;

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

    let digit = parseInt(a[i]);

    if (digit % 2 !== 0) {

        sum += digit;

    }

}

console.log("Odd sum:", sum);

Output:- Odd sum: 7

// Write a program to print the difference between even sum and odd sum

// input: Enter a number: 163382

// output: Differnce: 9

let number = 163382;

let numStr = number.toString();

let evenSum = 0;

let oddSum = 0;

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

    let digit = parseInt(numStr[i]);

    if (digit % 2 === 0) {

        evenSum += digit;

    } else {

        oddSum += digit;

    }

}

let difference = (evenSum - oddSum);

console.log("Difference:", difference);

output: Difference: 9

//  Write a program to check whether even sum is greater or odd sum is greater.

// input: Enter a number: 163382

// output: Even sum is greater

// input: Enter a number: 123

// output: Odd sum is greater

let number = 163382;

let numStr = number.toString();

let evenSum = 0;

let oddSum = 0;

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

    let digit = numStr.charCodeAt(i) - 48;

    if (digit % 2 === 0) {

        evenSum += digit;

    } else {

        oddSum += digit;

    }

}

if (evenSum > oddSum) {

    console.log("Even sum is greater");

} else if (oddSum > evenSum) {

    console.log("Odd sum is greater");

} else {

    console.log("Even sum and odd sum are equal");

}

Output:- Even sum is greater