//1.Print odd numbers in an array

//2.Convert all the strings to title caps in a string array

//3.Sum of all numbers in an array

//4.Return all the prime numbers in an array

//5.Return all the palindromes in an array

//ARROW FUNCTION:

// 1. Print odd numbers in an array

let numberArray = [1, 2, 3, 4, 5, 6, 98, 101, 467]

console.log("Odd Numbers in Number Array are: " + numberArray.filter((item) => {

return item % 2 !== 0

}))

//2.Convert all the strings to title caps in a string array

let stringArray = ["Thivi", "is", "a", "smart", "developer"]

stringArray = stringArray.map((item) => {

return item.toUpperCase()

})

console.log("Converted String Array is: " + stringArray)

//3.Sum of all numbers in an array

let numberArray = [1, 2, 3, 4, 5, 6, 98, 101, 467]

let sum = numberArray.reduce((currentTotal, item) => {

return currentTotal + item

}, 0)

console.log("Sum of elements in Number Array: " + sum)

// 4.Return all the prime numbers in an array

let numberArray = [1, 2, 3, 4, 5, 6, 98, 101, 467]

console.log("Prime Number is Array are: " +

numberArray.filter((item) => {

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

if (item % i === 0)

return false;

}

return item !== 1;

}))

//5.Return all the palindromes in an array

const getAllPalindromes = (words) => words.filter((word) => word.split("").reverse().join("") === word);

console.log(getAllPalindromes(["hello", "noon","mom","dad","dood","super"]));