### EXERCISE-2

### 50° FAHRENHEIT IS 10° CELSIUS

### **JavaScript :**

// Convertion Temperature From Fahrenheit to Celcius

function ConvertionTemp(fahrenheit) {

return (fahrenheit - 32) \* 5 / 9;

}

// Example in usage

let tempF = 50;

let tempC = ConvertionTemp(tempF);

console.log(`Temperature converted = ${tempC}°C`);

**TypeScript :**

// Convertion Temperature From Fahrenheit to Celcius

function ConvertionTemp (fahrenheit: number): number {

return (fahrenheit - 32) \* 5 / 9;

}

// Example usage

const tempF: number = 50;

const tempC: number = ConvertionTemp (tempF);

console.log(`Temperature converted: ${tempC}°C`);

### CONVERTION CENTIMETER TO KILOMETER

**JavaScript :**

// Convertion Centimeter (cm) to Kilometer (km)

function cmToKm(cm) {

return cm / 100000;

}

// Convertion Kilometer (km)to Centimeter (cm)

function kmToCm(km) {

return km \* 100000;

}

// Example in usage

console.log(`100000 cm = ${cmToKm(100000)} km`);

console.log(`1 km = ${kmToCm(1)} cm`);

**TypeScript :**

// Convertion Centimeter (cm) to Kilometer (km)

function cmToKm(cm: number): number {

return cm / 100000;

}

// Convertion Kilometer (km)to Centimeter (cm)

function kmToCm(km: number): number {

return km \* 100000;

}

// Example in usage

console.log(`100000 cm = ${cmToKm(100000)} km`);

console.log(`1 km = ${kmToCm(1)} cm`);

### CHEKING EVEN ODD NUMBER

**JavaScript :**

function isEven(n) {

return n % 2 === 0;

}

// Example in usage

console.log(`1000 isEven: ${isEven(1000)}`); // True

console.log(`1001 isEven: ${isEven(1001)}`); // False

**TypeScript :**

function isEven(n: number): boolean {

return n % 2 === 0;

}

// Example in usage

console.log(`1000 isEven: ${isEven(1000)}`); // True

console.log(`1001 isEven: ${isEven(1001)}`); // False

### HELLO WO

**JavaScript:**

function removeFirstOccurrence(string, searchString) {

    return string.replace(searchString, '', 1);

}

// Example in usage

const result = removeFirstOccurrence("Hello world", "rld");

console.log(result); // "Hel lo world"

**TypeScript:**

function removeFirstOccurrence(string: string, searchString: string): string {

return string.replace(searchString, '', 1);

}

// Example in usage

const result: string = removeFirstOccurrence("Hello world", "rld");

console.log(result); // "Hel lo world"

### KATAK IS PALINDROME

**JavaScript :**

function isPalindrome(s) {

return s === s.split('').reverse().join('');

}

// Example in usage

console.log(`'KATAK' is palindrome: ${isPalindrome('KATAK')}`); // True

**TypeScript :**

function isPalindrome(s: string): boolean {

return s === s.split('').reverse().join('');

}

// Example in usage

console.log(`' KATAK ' is palindrome: ${isPalindrome('KATAK')}`); // True