**TYPESCRIPT FUNCTION OVERLOADS**

* Function overloads in typescript is a way of telling typescript that how many ways a function can be called.
* It works as a metadata to tell typescript that what is the return value of the function in different scenerios.
* Functions overloads are defined just above our function definition as:

function <functionname> (arg: string):string

type Alphanumeric = string | number

function add(arg1: number, arg2: number): number //? Tells typescript if both arguments are number it will return number.

function add(arg1: string, arg2: string): string //? Tells typescript if both arguments are string it will return string.

function add(arg1: Alphanumeric, arg2: Alphanumeric) {

    if (typeof arg1 === 'string' && typeof arg2 === 'string') {

        return arg1.toString() + arg2.toString()

    }

    return +arg1 + +arg2

}

// const result = add('Harshit', 'Bhawsar') as string; //? one solution (type casting)

const result = add('Harshit', 'Bhawsar')

result.toLowerCase()