// map and set

// stores the unique value

// does not stores value by index

// to set object we can pass iterable

// method: - add(),delete(),has(),clear()

// property - size

let setA = new Set()

console.log(setA)

setA.add("apple")

setA.add("banana")

setA.add("chiku")

setA.add("banana")

console.log(setA)

// let q1 = setA.size

// console.log(typeof q1)

// let q2 = setA.has("apple")

// console.log(q2)

// let q3 = setA.delete('apple')

// console.log(q3)

// console.log(setA)

// let q4 = setA.clear()

// console.log(q4)

// console.log(setA)

let names = [22,33,44,55,66]

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

console.log(names[i])

}

let info = {

firstName:"chinmay",

lastName:"deshpande",

age:12,

skills:["python","javascript","c++"]

}

for(let property in info){

console.log(property,info[property])

}

// .dot notation does not work inside loop

let setB = new Set(["tomato","potato","brinjal","potato"])

console.log(setB)

for(let ele of setB){

console.log(ele)

}

setB.forEach(function(el){

console.log(el)

})

// Map

// basic object only stores string as key

// map stores other data type as let

let student = {

firstN:"chinmay",

lastN:"deshpande",

1:"English"

}

console.log(student)

let mapA = new Map()

mapA.set('firstN',"chinmay")

mapA.set('lastN',"deshpande")

mapA.set(1,"English")

mapA.set(true,"isMarried")

console.log(mapA)

// Map -- set(key,value)

console.log(mapA)

console.log(mapA.size)

// has()

let q222 = mapA.has(true)

console.log(q222)

// get()

let q33 = mapA.get(true)

console.log(q33)

// mapA.clear()

// console.log(mapA)

let q44 = mapA.delete(true)

console.log(mapA)

/-----------------------------------------------/

let mapB = new Map([

["firstName","chinmay"],

["lastName","deshpande"],

[true,"isMarried"],

[1,"English"]

])

console.log(mapB)

console.log(mapB.keys())

console.log(mapB.values())

console.log(mapB.entries())

// keys

for(let key of mapB.keys()){

console.log(key)

}

for(let val of mapB.values()){

console.log(val)

}

for(let [key,val] of mapB.entries()){

console.log(key,val)

}