ES6 Assignment-2



class Fibonacci{

#previousNo = 0;

#currentNo = 1;

next(){

let c = this.#previousNo + this.#currentNo;

this.#previousNo = this.#currentNo;

this.#currentNo = c;

return c;

}

}

const fib = new Fibonacci();

console.log(fib.next());



function checkArmstrong(n){

let a;

let l = n.toString().length;

let m=n;

let k=l;

let temp = 0;

while(k>0){

a = m%10;

m = Math.floor(m/10);

temp+=(a\*\*l);

k--;

}

if (temp == n) {

return 1;

}

else{

return 0;

}

}

let i=0;

function getnextArmstrong(){

while (i<Number.MAX\_SAFE\_INTEGER){

i++;

if(checkArmstrong(i)){

return i;

}

}

}



function checkArmstrong(n){

let l = n.toString().length;

let a;

let m=n;

let k=l;

let temp = 0;

while(k>0){

a = m%10;

m = Math.floor(m/10);

temp+=(a\*\*l);

k--;

}

if (temp == n) {

return 1;

}

else{

return 0;

}

}

let i=0;

function reset(){

i = 0;

return i;

}

function getnextArmstrong(){

while (i<10000){

if(i<1000){

i++;

if(checkArmstrong(i)){

return i;

}

}

else{

reset();

return "Error!, number above 1000.";

}

}

}



const chatroom1 = new Map();

chatroom1.set('user1', 'Hello');

chatroom1.set('user2', 'How are you');

chatroom1.set('user3', 'Wassup');

console.log(chatroom1);

const chatroom2 = new Map();

chatroom2.set('Abc', 'What\'s happening?');

chatroom2.set('Def', 'Where are you from?');

chatroom2.set('Ghi', 'Great!');

console.log(chatroom2);

function allUsers(chatroomName){

chatroomName.forEach((value, key) => {

console.log(`${key}`)

})

}

function allMessages(chatroomName){

chatroomName.forEach((value,key) => {

console.log(`${value}`)

})

}

allUsers(chatroom1);

allMessages(chatroom1);

allUsers(chatroom2);

allMessages(chatroom2);