Question1:

const nextmtd = Symbol();

class fibonaci{

    previousval:number

    currentval:number

    value1:number

        constructor(){

        this.previousval=0;

        this.currentval=1

        }

        [nextmtd](){

        this.value1 = this.previousval + this.currentval

        this.previousval = this.currentval

        this.currentval = this.value1

        return this.value1

        }

}

let objf= new fibonaci();

console.log(objf.previousval);

console.log(objf.currentval);

console.log(objf[nextmtd]());

console.log(objf[nextmtd]());

console.log(objf[nextmtd]());

console.log(objf[nextmtd]());

Question 2:

function isArmstrong(val){

    let tempval = val;

    let sum = 0;

    const leng= String(tempval).split("").length;

       while(tempval > 0){

         let remainder=tempval % 10;

         sum += Math.pow(remainder,leng)

         tempval = Math.floor(tempval/10);

       }

       if(sum==val)

           return true;

       else

           return false;

}

function nextArmstrong(val1){

    while(val1<Number.MAX\_SAFE\_INTEGER){

        val1++;

        if(isArmstrong(val1)){

            return val1;

        }

    }

}

console.log(nextArmstrong(2));

Question 3:

function isArmstrong(val){

    let tempval=val;

    let sum=0

    const len= String(tempval).split("").length;

    while(tempval > 0){

        let remainder=tempval % 10;

        sum += Math.pow(remainder,len)

        tempval = Math.floor(tempval/10);

    }

       if(sum==val)

          return true;

       else

          return false;

}

let m=0;

function resetfun(){

    return m;

}

function nextArmstrong(){

    while(m<10001){

        if(m<1000){

            m++;

        if(isArmstrong(m))

            return m;

        else{

            resetfun();

            return "entered value is above 1000";

        }

        }

    }

}

console.log(nextArmstrong());

Question 4:

const chatrm1=new Map();

const chatrm2=new Map();

chatrm1.set('user1','Hlo!');

chatrm1.set('user2','How are you ?');

chatrm1.set('user3','what are you doing ?');

chatrm2.set('user21','Are you there?');

chatrm2.set('user22','Good night');

chatrm2.set('user23','Thank you');

console.log(chatrm1);

console.log(chatrm2);

function users(roomname1){

    roomname1.forEach((value,key) => {console.log(`${key}`);

    });

}

function messages(roomname2){

    roomname2.forEach((value,key) => {console.log(`${value}`);

    });

}

users(chatrm1);

messages(chatrm1);

users(chatrm2);

messages(chatrm2);