1

class Movie{

    constructor(title,studio,rating = "PG"){

        this.title = title

        this.studio = studio

        this.rating = rating

    }

    getPG(arr){

        let result=[]

        arr.filter(movie =>{

            if(movie.rating === "PG"){

                result.push(movie)

            }

        })

        return result

    }

}

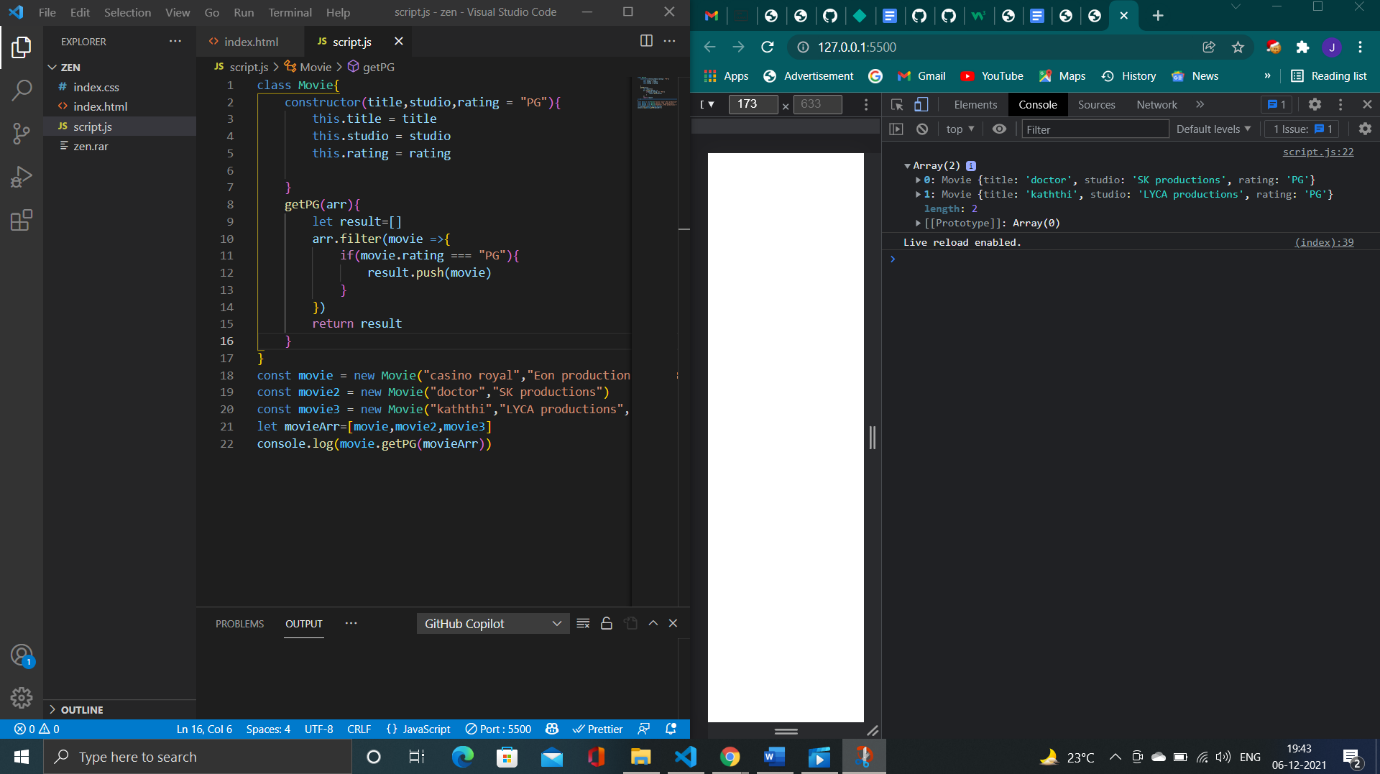
const movie = new Movie("casino royal","Eon production","PG13")

const movie2 = new Movie("doctor","SK productions")

const movie3 = new Movie("kaththi","LYCA productions","PG")

let movieArr=[movie,movie2,movie3]

console.log(movie.getPG(movieArr))



2.

class Circle{

    constructor(radius,color){

        this.radius = radius

        this.color = color

    }

    getradius(){

        return this.radius

    }

    getcolor(){

        return this.color

    }

    getarea(){

        return 3.14\*(this.radius\*this.radius)

    }

    getcf(){

        return 2\*3.14\*this.radius

    }

    setradius() {

        return this.radius=10

    }

    setcolor(){

        return this.color="yellow"

    }

}

const circle1 = new Circle(30, "red")

console.log(circle1.getradius())//getter

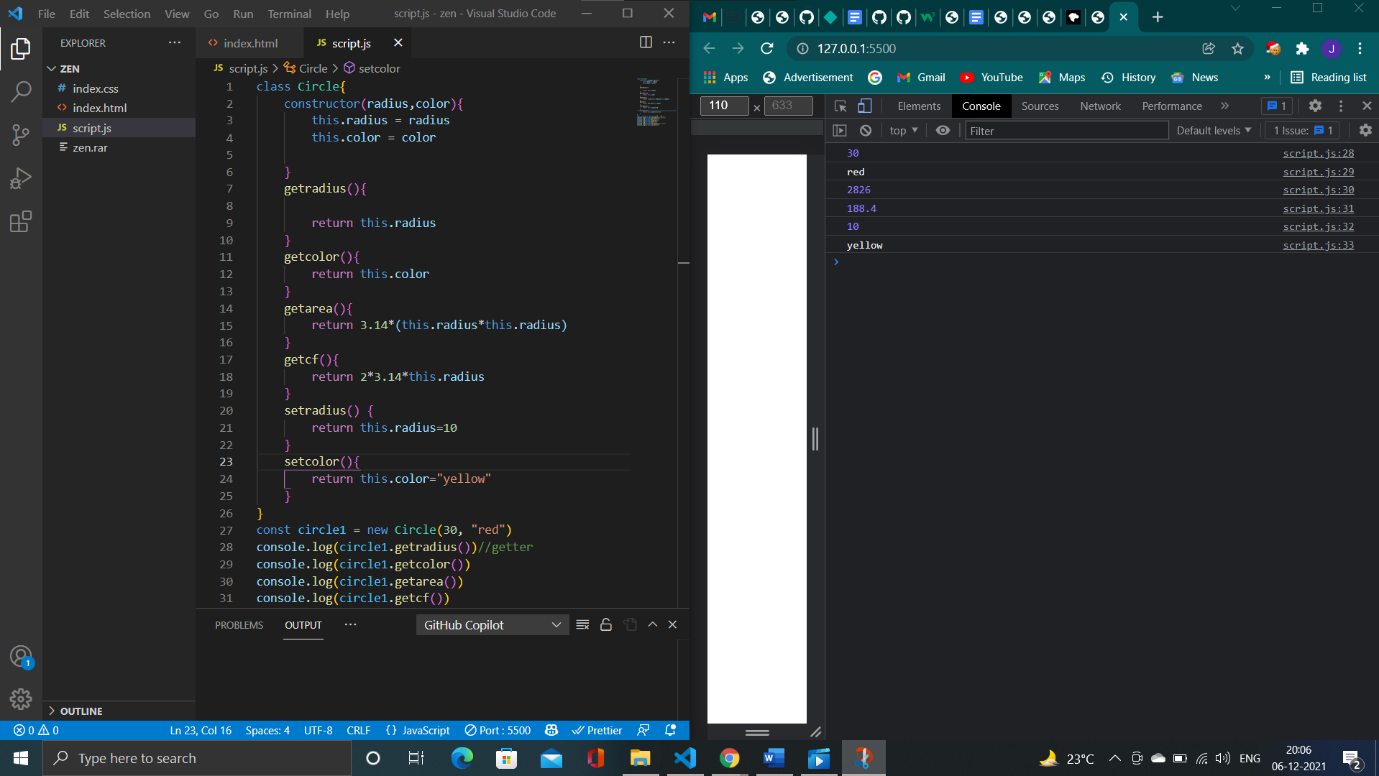
console.log(circle1.getcolor())

console.log(circle1.getarea())

console.log(circle1.getcf())

console.log(circle1.setradius())//setter

console.log(circle1.setcolor())



3.

class Person{

    constructor(name,age,place,dob,contactnumber,nationality){

        this.name = name

        this.age = age

        this.place = place

        this.dob = dob

        this.contactnumber = contactnumber

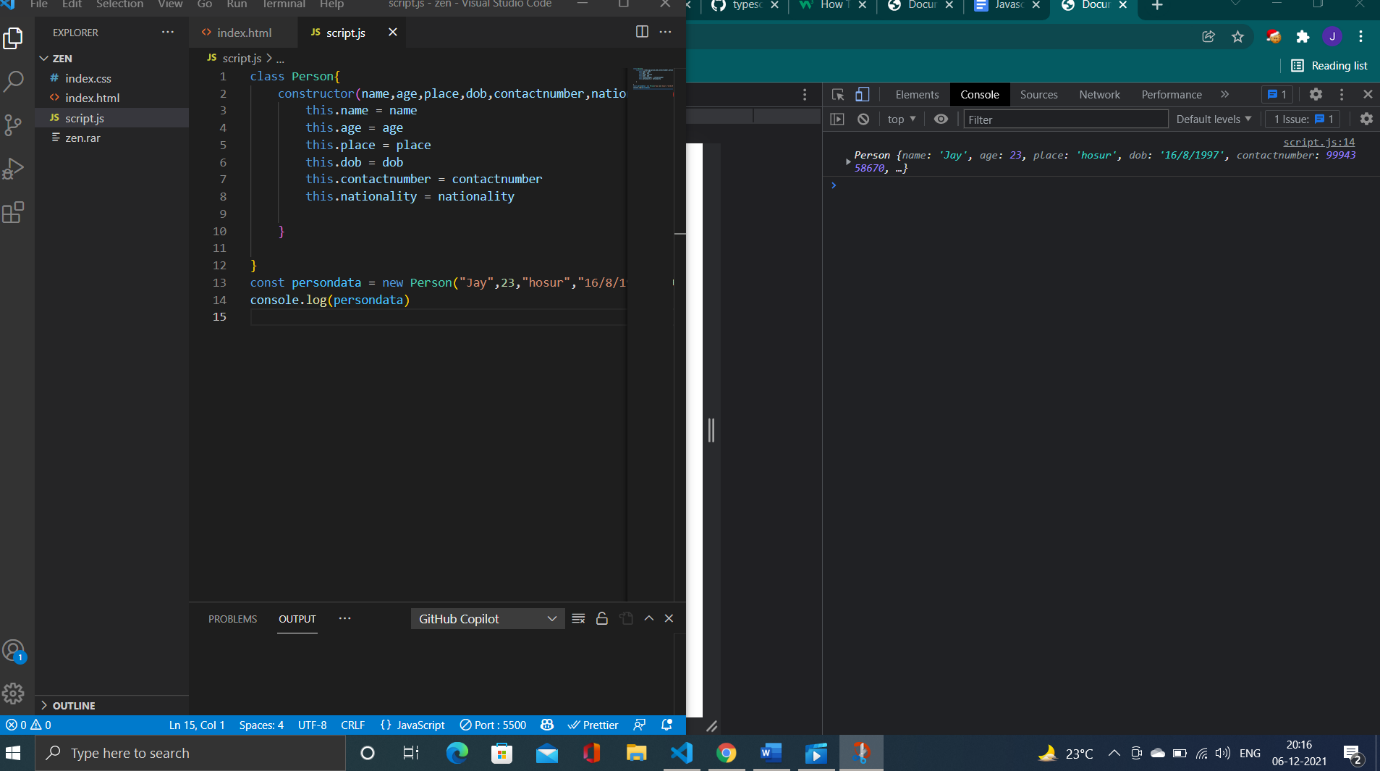
        this.nationality = nationality

    }

}

const persondata = new Person("Jay",23,"hosur","16/8/1997",9994358670,"Indian")

console.log(persondata)



4

class Uber{

    constructor(kilometer){

        this.kilometer = kilometer

        //this.studio = studio;

       //this.rating = rating;

    }

    getPrice(){

        let result

            if(this.kilometer>10){

                result = 150+(12\*this.kilometer)

            }

        return result

    }

}

const uber = new Uber(40)

//const movie3 = new Movie("kaththi","LYCA productions","PG");

let uberrates=uber

console.log(uber.getPrice(uberrates))

