1. **https://github.com/rvsp/typescript-oops/blob/master/Practice/Movie.md**

**Movie**

class Movie{

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

this.title=title;

this.studio=studio;

this.rating=rating;

}

getPG(arr){

return arr.filter(ele=>ele.rating=="PG") ;

}

}

let film=new Movie('Casino Royale','Eon Productions','PG13');

let film2=new Movie('Prince','Green Productions');

console.log(film.getPG([film,film2]));

}

**2. https://github.com/rvsp/typescript-oops/blob/master/Practice/class-circle.md**

class Circle {

constructor(radius?:number,color?:String){

this.radius=radius||0;

this.color=color||'';

}

getRadius():number {

return this.radius;

}

setRadius(radius:number):void{

this.radius=radius;

}

getColor():String {

return this.color;

}

setColor(color:String):void{

this.color=color;

}

toString():String{

return 'Circle'+JSON.stringify(obj);

}

getArea():number{

return 3.14\*this.radius\*this.radius;

}

getCircumference():number{

return 2\*3.14\*this.radius;

}

}

var obj = new Circle(2);

console.log(obj.getRadius());

**3. Write a “person” class to hold all the details.**

class Person{

constructor(name,age,address,qualification,contact){

this.name=name;

this.age=age;

this.address=address;

this.contact=contact;

this.qualification=qualification;

}

getDetails(){

return 'Name: '+this.name+'\nAge: '+this.age+'\nQualification: '+this.qualification+'\nAddress: '+this.address+'\nContact: '+this.contact

}

}

let person1=new Person('Nisha',23,'Trichy','B.E','9876543210');

let person2=new Person('Kiran',35,'Calicut','M.E','123456789');

console.log(person2.getDetails());

}

**4. write a class to calculate uber price.**

class Uber{

constructor(name,kms,cost){

this.name=name;

this.kms=kms;

this.cost=cost;

}

displayPrice(){

console.log('Hi '+this.name+', Total cost for your ride is '+this.kms\*this.cost );

}

}

let ride1=new Uber('Kavi',120,10);

let ride2=new Uber('Prem',50,20);

ride1.displayPrice();

ride2.displayPrice();

}