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

class Movie {

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

this.title = title;

this.studio = studio;

this.rating = rating;

}

static getPG(arr) {

let pgArray = arr.filter((movie) => movie.rating == "PG");

return pgArray;

}

}

let a = new Movie("Casino Royale", "Eon Productions", "PG13");

let b = new Movie("Inception", "Warner Bros", "PG");

let c = new Movie("Iron Man", "Marvel Studios");

let d = new Movie("Orphan", "Dark Castle Entertainment", "PG13");

let e = new Movie("Cars", "Pixar", "G");

console.log(Movie.getPG([a, b, c, d, e]));

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

class Circle {

constructor(...arr) {

this.radius = arr[0];

this.color = arr[1];

this.arr = arr.filter((i) => i != undefined);

if (this.arr.length == 0) {

console.log("Empty")

} else if (this.arr.length == 1) {

console.log(`Radius : ${this.radius}`)

} else {

console.log(`Radius : ${this.radius}, Color : ${this.color}`)

}

}

getRadius() {

return this.radius;

}

getColor() {

return this.color;

}

setRadius(rad) {

this.radius = rad;

}

setColor(col) {

this.color = col;

}

toString(){

return `Radius : ${this.radius}, Color : ${this.color}`;

}

getArea(){

return Math.PI \* Math.pow(this.radius, this.radius);

}

}

let a = new Circle()

let b = new Circle(5.5)

let c = new Circle(5.5, "red")

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

class person {

constructor (firstName, lastName, age) {

this.firstName = firstName;

this.lastName = lastName;

this.age = age;

this.getFullName = function () {

return this.firstName + " " + this.lastName;

}

}

}

let person1 = new person ("kumar", "ramu", 35 );

console.log(person1.age);

console.log(person1.getFullName());

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

class uberFare {

constructor (city, fare, customerName) {

this.city = city;

this.fare = fare;

this.customerName = customerName;

}

getFareCity(){

return "fare for the City is " + this.fare;

}

}

let cityA = new uberFare( "cityA", 600, "customer1");

let cityB = new uberFare( "cityB", 300, "customer2");

console.log(cityA.getFareCity());

console.log(cityB.getFareCity());