// 1. a) Write a constructor for the class Movie, which takes a String representing the title of the movie,

// a String representing the studio, and a String representing the rating as its arguments, and sets the

// respective class properties to these values.

class Movie {

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

this.title = title;

this.studio = studio;

this.rating = rating;

}

getRating() {

return `The rating is ${this.rating}`;

}

}

// Creating instances of the Movie class

let casinoRoyale = new Movie('Casino Royale', 'Eon Productions', 'PG-13');

let avengers = new Movie('Avenger Return', 'Marvel');

console.log(casinoRoyale.getRating());

console.log(avengers.getRating());

// // b) The constructor for the class Movie will set the class property rating to "PG" as default when no rating is provided.

// class movie {

// constructor(title, studio, rating){

// this.title = title;

// this.studio = studio;

// this.rating = 'PG';

// }

// }

// // d) Write a piece of code that creates an instance of the class Movie with the title “Casino Royale”,

// // the studio “Eon Productions”, and the rating “PG­13”

// let CasinoRoyale = new movie( 'Casino Royal', 'Eon Productions', 'PG13');

// let Avengers = new movie('Avenger Return','Marvel','PG');

//2.Circle - Class

//Convert the UML diagram to Typescript class. - use number for double

class Circle {

constructor(radius = 1.0, color = 'red') {

this.radius = radius;

this.color = color;

}

getRadius() {

return `(${this.radius}, ${this.color})`;

}

toString() {

return `(${this.radius}, ${this.color})`;

}

}

// Creating instances of the Circle class

let circle = new Circle(); // default constructor

let circle1 = new Circle(4, 5); // parameterized constructor with radius

let circle2 = new Circle(5.5, 'blue'); // parameterized constructor with radius and color

console.log(circle2.toString());

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

// class person {

// constructor (firstName, lastName, age,address,mobile) {

// this.firstName = firstName;

// this.lastName = lastName;

// this.age = age;

// this.address = address;

// this.mobile = mobile;

// this.getFullName = function () {

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

// }

// }

// }

// let person1 = new person ('sachin', 'kumar', 25 ,'405,Lakshminagar,salem',8877665544, );

// console.log(person1.age);

// console.log(person1.getFullName());

// 4.

class UberFare {

constructor(city, fare, customerName) {

this.city = city;

this.fare = fare;

this.customerName = customerName;

}

getFareCity() {

return `Fare for the city is ${this.fare}`;

}

}

// Creating instances of the UberFare class

let cityA = new UberFare('City A', 500, 'Customer 1');

let cityB = new UberFare('City B', 1200, 'Customer 2');

console.log(cityA.getFareCity());

console.log(cityB.getFareCity());