**Question 1 A.)**

class Movie{

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

this.title = title;

this.studio =studio;

this.rating = rating;

}

get getPG(){

let titles = "";

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

titles+= this.title;

}

return titles;

}

}

b)

let rating = new Movie("Leo", "Seven Screen");

console.log(`1. B.)

Title : ${rating.title}

Studio : ${rating.studio}

Rating : ${rating.rating}`)

// c)

let PG = new Movie("Thunivu", "Zee Studios");

console.log(`C.)

Title : ${PG.title}

Studio : ${PG.studio}

Rating : ${PG.rating}

Title : ${PG.getPG}, ${rating.title}

`)

// d)

let movie = new Movie("Casino Royale", "Eon Productions", "PG-13")

console.log(`D.)

Title : ${movie.title}

Studio : ${movie.studio}

Rating : ${movie.rating}`)

**Question 2**

class Circle{

constructor(radius, color){

this.radius = radius;

this.color = color;

}

get Radius(){

return this.radius;

}

set Radius(radius){

this.radius = radius;

}

get Color(){

return this.color;

}

set Color(color){

this.color = color;

}

get toString(){

return `"Cercle[radius=${this.radius},color=${this.color}"]`

}

get Area(){

return Math.PI \* this.radius \* this.radius;

}

get Circumference(){

return Math.PI \* this.radius;

}

}

let circle = new Circle(1.0, "red")

console.log(`2. Question`)

circle.Radius = 1.1

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

circle.Color = "green";

console.log(`

setColor: ${circle.Color}

toString: ${circle.toString}

getArea: ${circle.Area}

getCircumference: ${circle.Circumference}

`)

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

class Person{

constructor(name, age, gender, state, country){

this.name = name;

this.age = age;

this.gender = gender;

this.state = state;

this.country = country;

}

}

let person = new Person("Elango", 21, "Male", "Tamil nadu", "India");

console.log(`3.Write a “person” class to hold all the details.

${person.name}

${person.age}

${person.gender}

${person.state}

${person.country}

`)

4.write a class to calculate the uber price.

const uber = {

set kiloMeter(km){

this.price = `${km} km = Rs.${km \* 50}` ;

},

get kiloMeter(){

return this.price;

}

}

uber.kiloMeter = 2;

console.log(`${uber.kiloMeter}`)`)