**DAY 08 – TASKS:**

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

**Solution:** let temp = [];

class Movie{

constructor(title, studio, rating){

this.title = title;

this.studio = studio;

this.rating = "PG";

}

getPG(Movie){

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

console.log(this.title);

}

}

}

let s1 = new Movie("Casino Royale", "Eon Productions", "PG13");

console.log(s1.getPG());

O/P: Casino Royale

1. <https://github.com/rvsp/typescript-oops/blob/master/Practice/class-circle.md>:

**Solution**: let pi = 3.141;

class Circle{

constructor(radius, color){

this.radius = radius;

this.color = "red";

}

getradius(){

return this.radius;

}

getcolor(){

return this.color;

}

getArea(){

return pi \* this.radius \* this.radius;

}

getCircumference(){

return 2 \* pi \* this.radius;

}

}

let s1 = new Circle(1.0);

console.log(s1.getradius());

console.log(s1.getcolor());

console.log(s1.getArea().toFixed(2));

console.log(s1.getCircumference().toFixed(2));

O/P: 1

red

3.14

6.28

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

**Solution:** class Person{

constructor(name, age, gender, qualification, nationality){

this.name = name;

this.age = age;

this.gender = gender;

this.qualification = qualification;

this.nationality = nationality;

}

}

let s1 = new Person("John", 25, "Male", "Bachelors Degree", "Indian");

console.log(s1);

O/P: Person {

name: ‘John’,

age: 25,

gender: ‘Male’,

qualification: ‘Bachelors Degree’,

nationality: ‘Indian’ }

1. write a class to calculate uber price:

**Solution:** class Uber{

constructor(distanceinkm, waitinginmins, rateperkm, waitingratepermin){

this.distanceinkm = distanceinkm;

this.waitinginmins = waitinginmins;

this.rateperkm = 15;

this.waitingratepermin = 2;

}

getprice(){

return this.distanceinkm \* this.rateperkm;

}

getwaitingcharge(){

return this.waitinginmins \* this.waitingratepermin;

}

}

let s1 = new Uber(20, 15);

console.log(s1.getprice() + s1.getwaitingcharge());

O/P: 330