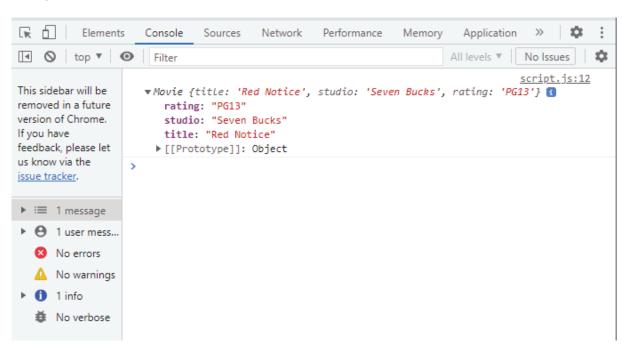
https://github.com/rvsp/typescript-oops/blob/master/Practice/ Movie.md

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.

code

```
// Problem 1- A
// Creating a class called "Movie"
class Movie {
    constructor(title, studio, rating){
        // Setting values to its propertiies
        this.title = title;
        this.studio = studio;
        this.rating = rating;
    }
}
let film1 = new Movie("Red Notice", "Seven Bucks", "PG13");
console.log(film1);
```

Output



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

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

code

```
// Problem 1- B

// Creating a class called "Movie"

class Movie {
    //For Rating parameter setting a default value to "PG"
    constructor(title, studio, rating = "PG"){
        // Setting values to its propertiies
        this.title = title;
        this.studio = studio;
        this.rating = rating;
    }
}
let film1 = new Movie("Red Notice", "Seven Bucks");
console.log(film1);
```

<u>Output</u>

```
Elements
                                                                      Application
                                                                                » 🌣
                    Console
                           Sources
                                    Network
                                               Performance
                                                            Memory
All levels ▼ No Issues
                                                                               script.js:13
This sidebar will be
                    ▼ Movie {title: 'Red Notice', studio: 'Seven Bucks', rating: 'PG'} [
removed in a future
                     rating: "PG"
version of Chrome.
                      studio: "Seven Bucks"
If you have
                      title: "Red Notice"
feedback, please let
                     ▶ [[Prototype]]: Object
us know via the
issue tracker.
▶ III 1 message
4 1 user mess...
  No errors
  No warnings
▶ 1 info
   No verbose
```

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

c) Write a method getPG, which takes an array of base type Movie as its argument, and returns a new array of only those movies in the input array with a rating of "PG". You may assume the input array is full of Movie instances. The returned array need not be full.

code <u>Output</u> // Problem 1- C Elements Console Sources Network Performance » All levels ▼ No Issues \$ // Creating a class called "Movie" Red Notice is not rated with PG <u>script.js:54</u> This sidebar will be Annathe is rated with PG removed in a future script.js:55 class Movie { version of Chrome. constructor(title, studio, rating){ feedback, please let us know via the // Setting values to its propertiles this.title = title; this.studio = studio; this.rating = rating; // Assigning a getPG() method to return movie title rated with PG getPG (){ if(this.rating === "PG"){ return `\${this.title} is rated with PG`; } else{ return `\${this.title} is not rated with PG`; } } let film1 = new Movie("Red Notice", "Seven Bucks", "PG13"); let film2 = new Movie("Annathe", "Sun Pictutes", "PG"); console.log(film1.getPG()); console.log(film2.getPG());

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

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"

code

```
// Problem 1- D
// Creating a class called "Movie"
class Movie {
    constructor(title, studio, rating){
        // Setting values to its propertiies
        this.title = title;
        this.studio = studio;
        this.rating = rating;
    }
}
// Creating an instance of the class Movie
let film1 = new Movie("Casino Royale", "Eon Productions", "PG13");
console.log(film1);
```

<u>Output</u>

```
Elements
                        Console
                                   Sources
                                              Network
                                                          Performance
                         Filter
                                                           All levels ▼
                                                                         No Issues
                                                                        script.js:71
                        Movie {title: 'Casino Royale', studio: 'Eon Production
This sidebar will be
                          s', rating: 'PG13'} [1]
removed in a future
                            rating: "PG13"
version of Chrome.
If you have
                            studio: "Eon Productions"
                            title: "Casino Royale"
feedback, please let
                          ▶ [[Prototype]]: Object
us know via the
issue tracker.
```