

# Movie Rating System

## Array methods

Required methods for the following exercises: `map`, `filter`, `reduce`, `spread`.

Here are the exercises for the Movie Rating System:

### 1. Display Movie Titles

- **Input:** An array of movie objects.
- **Task:** Return a new array that contains only the titles of each movie.
- **Example:** Given the input data from above, the function should return: ["The Shawshank Redemption", "The Godfather", "The Godfather: Part II", "The Dark Knight", "12 Angry Men"]

### 2. Highly Rated Movies

- **Input:** An array of movie objects, a minimum rating value.
- **Task:** Return a new array containing only movies with a rating equal to or greater than the provided value.
- **Example:** Given the input data and a rating of 9.1, the function should return an array containing only the objects for "The Shawshank Redemption" and "The Godfather".

### 3. Total Votes Count

- **Input:** An array of movie objects.
- **Task:** Return the total count of votes across all movies.
- **Example:** Given the input data, the function should return: 7912782

### 4. Combine Movie Titles and Ratings

- **Input:** An array of movie objects.
- **Task:** Return a new array with strings combining the movie title and its rating. Each string should be formatted as "{title} - {rating}".
- **Example:** Given the input data, the first item in the returned array should be: "The Shawshank Redemption - 9.3"

### 5. Update Movie Ratings

- **Input:** An array of movie objects, a new rating, and a movie title.
- **Task:** Update the rating of the specified movie in the array and return the updated array.
- **Example:** Given the input data, a rating of 9.5, and the title "The Shawshank Redemption", the updated rating of "The Shawshank Redemption" in the returned array should be 9.5.

## 6. Genre Filter

- **Input:** An array of movie objects, a genre string.
- **Task:** Return a new array containing only movies of the specified genre.
- **Example:** Given the input data and the genre "Drama", the function should return an array with movies that have "Drama" in their genre.

## 7. Yearly Movie Filter

- **Input:** An array of movie objects, a year.
- **Task:** Return a new array containing only movies that were released after the specified year.
- **Example:** Given the input data and the year 2000, the function should return an array with only "The Dark Knight".

## 8. Average Movie Rating

- **Input:** An array of movie objects.
- **Task:** Calculate and return the average movie rating.
- **Example:** Given the input data, the function should return approximately 9.1.

## 9. Sort Movies by Votes

- **Input:** An array of movie objects.
- **Task:** Return a new array sorted by the number of votes in descending order.
- **Example:** Given the input data, the first movie in the returned array should be "The Shawshank Redemption" and the last should be "12 Angry Men".