Movie Project Array Methods (Not ES6)

Note: make use of `.push()`, `.pop()`, `.shift()`, `.unshift()`, `.indexOf()`, `.lastIndexOf()`, `.reverse()`, `.sort()`, `.join()`, `.includes()`, `.slice()`, `.splice()`, `.concat()`

1. **Check if a Movie is in the Library:**

   - Given an array
     `movieLibrary = ["Inception", "The Matrix", "Interstellar"]`
     and a variable `movieToCheck = "Inception"`, write a code snippet to check if `movieToCheck` exists in `movieLibrary`. Log a corresponding message.

2. **Reverse Movie Release Order:**

   - Given an array `releaseDates = ["1999", "2010", "2014"]`, write a code snippet to create a new array that contains the release dates in reverse order.

3. **Create a String of Movie Genres:**

   - Given an array
     `movieGenres = ["Sci-Fi", "Action", "Adventure"]`, write a code snippet to create a single string that lists the movie genres, separated by commas.

4. **Check for a Specific Genre:**

   - Given an array
     `movieGenres = ["Sci-Fi", "Action", "Adventure"]` and a variable `genreToCheck = "Action"`, write a code snippet to check if `genreToCheck` is in `movieGenres`. Log a message indicating the result.

5. **Find Index of a Specific Movie:**

- Given an array
  `movieTitles = ["Inception", "The Matrix", "Interstellar"]`
  and a movie `specificMovie = "Interstellar"`, write a code snippet to log the index of `specificMovie` in `movieTitles`. If it's found, log "Interstellar found at index X". If it's not found, log "Movie not found".

6. **Remove the Last Movie:**

- Given an array
  `upcomingReleases = ["Avatar", "Dune", "Tenet"]`, write a code snippet to remove the last movie and log the updated array.

7. **Insert a Movie at the Beginning:**

- Given an array
  `classicMovies = ["The Godfather", "Citizen Kane"]` and a new movie `newMovie = "Casablanca"`, write a code snippet to add `newMovie` at the beginning of `classicMovies`.

8. **Remove First Movie and Log It:**

- Given an array
  `filmNoir = ["The Maltese Falcon", "Touch of Evil", "Double Indemnity"]`
  , write a code snippet to remove the first movie, store it in a new variable, and log that movie.

9. **Concatenate Two Arrays of Movie Titles:**

- Given two arrays `actionMovies = ["Die Hard", "John Wick"]` and `comedyMovies = ["Superbad", "The Hangover"]`, write a code snippet to create a new array that contains all movies from both arrays.

10. **Sort Movies Alphabetically:**

- Given an array
  `movieTitles = ["Inception", "The Matrix", "Interstellar"]`

, write a code snippet to sort the movies alphabetically and log the sorted array.

11. **Create Array from Movie Quotes:**

- Given a string of quotes
  ```
  quotesString = "I'll be back,May the Force be with
  you,To infinity and beyond"
  ```
  , write a code snippet to create an array where each element is a quote.

12. **Slice Array to Get Top Rated Movies:**

- Given an array
  ```
  topMovies = ["The Shawshank Redemption", "The
  Godfather", "The Dark Knight"]
  ```
  and a number `n = 2`, write a code snippet to create a new array that contains the first `n` movies from `topMovies`.

13. **Empty the Movie Wishlist:**

- Given an array
  ```
  movieWishlist = ["The Matrix 4", "Avatar 2", "Dune"]
  ```,
  write a code snippet to empty the array.

14. **Add a New Movie**

- Given an array of movies
  ```
  movies = ["Inception", "Interstellar"]
  ```
  and a new movie
  ```
  newMovie = "Tenet"
  ```, write a code snippet to add the new movie to the array.

15. **Remove the First Movie**

- Given an array of movies
  ```
  movies = ["Inception", "Interstellar", "Tenet"]
  ```, write a
  code snippet to remove the first movie from the list and log the removed movie.

16. **Create a String of Movie Titles**

- Given an array of movies
  `movies = ["Inception", "Interstellar", "Tenet"]`, write a code snippet to create a string that lists the movie titles, separated by commas.

17. **Find Index of a Specific Movie**

- Given an array of movies
  `movies = ["Inception", "Interstellar", "Tenet"]` and a movie to find `movieToFind = "Interstellar"`, write a code snippet to find the index of the movie and log the index.

18. **Reverse the Order of Movies**

- Given an array of movies
  `movies = ["Inception", "Interstellar", "Tenet"]`, write a code snippet to reverse the order of the movies in the array.

19. **Sort Movies Release Years**

- Given an array of movies release years
  `releaseYears = [2001, 2023, 1998, 2014]`, write a code snippet to sort the release years in a descending order and log the sorted list.