Movie Rating System

String methods

The string methods we will use for those exercises: `join()`, `parseInt()`, `map()`, `replace()`, `split()`, `lastIndexOf()`, `trim()`, `toUpperCase()`, `includes()`, `toLowerCase()`

1. **Movie Title Capitalization**: Write a function, `toTitleCase(title)`, that takes a movie title string in all lowercase and returns it in title case.

   - Input: `"the dark knight"`
   - Output: `"The Dark Knight"`

2. **Search Bar**: Write a function, `searchMovies(movies, query)`, that takes in an array of movie titles and a string search query. The function should return a new array with only the movie titles that contain the query string.

   - Input: `["The Dark Knight", "Inception", "Interstellar"], "In"`
   - Output: `["Inception", "Interstellar"]`

3. **Director's Name Format**: Write a function, `formatDirectorName(name)`, which takes a director's name in the format "last, first" and swaps it to "first last".

   - Input: `"Nolan, Christopher"`
   - Output: `"Christopher Nolan"`

4. **Movie Length**: Write a function, `parseDuration(duration)`, that takes a string like "2h 30min" and returns an object with the number of hours and minutes as integers.

   - Input: `"2h 30min"`
   - Output: `{ hours: 2, minutes: 30 }`

5. **Movie Initials**: Write a function, `getMovieInitials(title)`, that takes a movie title and returns its initials.

   - Input: `"The Dark Knight"`
   - Output: `"TDK"`

6. **Concatenate Movie Details**: Write a function, `getMovieDetails(movie)`, that takes an object with movie details like title, director, and genre and returns a single string that combines all this information.

   - Input:
     ```
     { title: "Inception", director: "Christopher Nolan", genre: "Sci-Fi" }
     ```
   - Output: `"Inception, directed by Christopher Nolan, genre: Sci-Fi"`

7. **Movie Slug**: Write a function, `createSlug(title)`, that takes a movie title and returns a URL-friendly slug.

   - Input: `"The Dark Knight"`
   - Output: `"the-dark-knight"`

8. **Synopsis Trimming**: Write a function, `trimSynopsis(synopsis, maxLength)`, that trims the movie's synopsis to a specified length without cutting off words. Use `slice()`, `lastIndexOf()`, and `trim()`.

   - Input:
     ```
     "A thief who steals corporate secrets through the use of dream-
     sharing technology is given the inverse task of planting an idea
     into the mind of a CEO. But his tragic past may doom the project and
     his team to disaster."
     ```
     , 100
   - Output:
     ```
     "A thief who steals corporate secrets through the use of dream-
     sharing technology is given the inverse task of..."
     ```

9. **Genre List**: Write a function, `splitGenres(genres)`, that takes a string of genres separated by commas and converts it into an array of individual genres.

   - Input: `"Action, Adventure, Sci-Fi"`
   - Output: `["Action", "Adventure", "Sci-Fi"]`

10. **Movie Quote Decoder**: Write a function, `decodeQuote(quote)`, that takes an encoded movie quote and returns the decoded version. Encode a famous quote from a movie by replacing all vowels with numbers (e.g., "1" for "a", "2" for "e", etc.). Use `replace()`.

    - Input: `"Th3 dr34m 1s r341!"` (The dream is real!)

- Output: `"The dream is real!"`