

Music Player

String methods

For these exercises, you may need the following methods: `toLowerCase()`, `toUpperCase()`, `split()`, `join()`, `includes()`, `replace()`, `parseInt()`, `trim()`, `slice()`, `substring()`, and `charAt()`.

1. **Title Capitalization:** Write a function that takes a song title in lowercase and returns it in title case.

Input: `"stairway to heaven"`

Output: `"Stairway To Heaven"`

2. **Playlist Search:** Write a function that takes an array of songs and a string search query. The function should return a new array with only the songs that contain the query string.

Input:

```
["Stairway to Heaven", "Smoke on the Water", "Sweet Child O' Mine"],  
"water"
```

Output: `["Smoke on the Water"]`

3. **Song Duration:** Write a function that takes a string like "4m 30s" and returns an object with the number of minutes and seconds as integers.

Input: `"5m 45s"`

Output: `{ minutes: 5, seconds: 45 }`

4. **Band Acronym:** Write a function that takes a band name and returns its acronym.

Input: `"Pink Floyd"`

Output: `"PF"`

5. **Concatenate Song Details:** Write a function that takes an object with song details like song name, artist, and album and returns a single string that combines all this information.

Input:

```
{ songName: "Comfortably Numb", artist: "Pink Floyd", album: "The Wall"  
}
```

Output: `"Song: Comfortably Numb, Artist: Pink Floyd, Album: The Wall"`

6. **Artist Slug:** Write a function that takes an artist name and returns a URL-friendly slug.

Input: `"Pink Floyd"`

Output: `"pink-floyd"`

7. **Lyrics Trimming:** Write a function that trims the song's lyrics to a specified length without cutting off words.

Input:

`"There's a feeling I get when I look to the west, And my spirit is crying for leaving", 50`

Output: `"There's a feeling I get when I look to the west,..."`

8. **Band Members List:** Write a function that takes a string of band members separated by commas and converts it into an array of individual members.

Input: `"Roger Waters, David Gilmour, Nick Mason"`

Output: `["Roger Waters", "David Gilmour", "Nick Mason"]`

9. **Secret Song Decoder:** Write a function that takes an encoded secret song message and returns the decoded version. Encode a secret song message by replacing all vowels with numbers (e.g., "1" for "a", "2" for "e", etc.).

Input: `"Th2 s2cr2t s1t3 1s cl2s2"`

Output: `"The secret site is close"`