RPG Game

Array Methods - Extra

1. Group Characters by Level

- o Input: An array of character objects
- **Task:** Write a function that returns an object where keys are unique levels and values are arrays of characters at that level.
- Example:

2. Find Highest Level Character

- Input: An array of character objects
- **Task:** Write a function that returns the character object with the highest level.
- Example:

3. Calculate Average Character Level

- Input: An array of character objects
- Task: Write a function that returns the average level of all characters, rounded to the nearest whole number.
- Example:

4. Filter Characters by Level Range

- Input: An array of character objects, two numbers representing the lower and upper bounds of a level range
- Task: Write a function that returns an array of character objects which have a level within the provided range (inclusive).
- Example:

5. Count Number of Characters per Level

- Input: An array of character objects
- Task: Write a function that returns an object where keys are levels and values are the number of characters at that level.
- Example:

```
const characters = [
    { name: 'John', level: 2 },
    { name: 'Jane', level: 5 },
    { name: 'Doe', level: 2 }
];
countCharactersPerLevel(characters); // { '2': 2, '5': 1 }
```

6. Find Character with Most Skills

- **Input:** An array of character objects, each with a skills property (array of strings)
- **Task:** Write a function that returns the character object with the most skills.

Example:

7. Count Total Number of Skills

- Input: An array of character objects, each with a skills property (array of strings)
- Task: Write a function that returns the total number of skills across all characters.
- Example:

8. Find Unique Skills

- **Input:** An array of character objects, each with a skills property (array of strings)
- Task: Write a function that returns a new array with all unique skills from the characters.
- Example:

9. Find Character with Specific Skill

- Input: An array of character objects, each with a skills property (array of strings), and
 a skill string
- Task: Write a function that returns an array of character objects that possess the specified skill.

• Example: