Textual RPG (Role-Playing Game)

String methods

Methods used: `String.length`, `String.toUpperCase`, `String.includes`, `String.slice`, `String.indexOf`, `String.substring`, `parseInt`.

1. **Character Name Capitalization**: Given a character's name string in all lowercase, demonstrate how to capitalize the first letter of each word in the name using string methods and a for loop.

   - Example:
     - Input: `"iron warrior"`
     - Task: Capitalize the first letter of each word.
     - Expected Output: `"Iron Warrior"`

2. **Item Search**: Given an array of inventory item names and a string search query, demonstrate how to filter the array to only include items that contain the query string using string methods and a for loop.

   - Example:
     - Input:
       `["Iron Sword", "Healing Potion", "Steel Shield", "Iron Axe"]`
       and query `"Iron"`
     - Task: Filter items containing `"Iron"`.
     - Expected Output: `["Iron Sword", "Iron Axe"]`

3. **NPC Name Format**: Demonstrate how to convert an NPC's name from the format "last, first" to "first last".

   - Example:
     - Input: `"Goblin, Grunty"`
     - Task: Swap first and last names.
     - Expected Output: `"Grunty Goblin"`

4. **Quest Duration**: Given a string like "3h 45min", demonstrate how to extract the number of hours and minutes as integers.

   - Example:
     - Input: `"3h 45min"`
     - Task: Extract hours and minutes.
     - Expected Output: `3 hours and 45 minutes`

5. **Game Title Acronym**: Given a game title, demonstrate how to return the acronym of the title using string methods and a for loop.

   - Example:
     - Input: `"Epic Fantasy Battle"`
     - Task: Get acronym of the title.
     - Expected Output: `"EFB"`

6. **Concatenate Character Details**: Given strings representing the name, class, and level of a character, demonstrate how to combine this information into a single descriptive string.

   - Example:
     - Input: `'Iron Warrior;Warrior;10'`
     - Task: Concatenate details into a string.
     - Expected Output:
       `"Iron Warrior, class: Warrior, level: 10"`

7. **Location Slug**: Demonstrate how to convert a location name into a URL-friendly slug.

   - Example:
     - Input: `"Dark Forest"`
     - Task: Create a slug from the location name.
     - Expected Output: `"dark-forest"`

8. **Quest Description Trimming**: Demonstrate how to trim the quest's description to a specified length **without cutting off words**.

   - Example:

- Input:

  "Retrieve the sacred artifact from the dragon's lair. But beware, the dragon is cunning and powerful."
  , 50
- Task: Trim description to 50 characters without cutting off words.
- Expected Output:

  "Retrieve the sacred artifact from the dragon's lair..."

9. **Monster List**: Demonstrate how to convert a string of monster names separated by commas into an array of individual monster names.

  - Example:
    - Input: "Goblin, Orc, Dragon"
    - Task: Split monsters into an array.
    - Expected Output: ["Goblin", "Orc", "Dragon"]