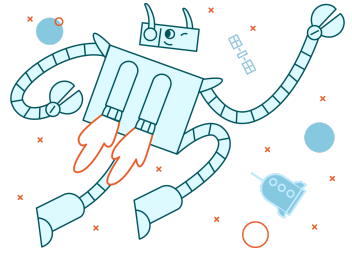


# The Bookstore Revenge

After encountering issues with the previous code for removing books by a specific author, the bookstore decided to modify the code to avoid using indexes. They thought this would solve the problem, but now they have discovered that the updated code is still not removing all instances of books by the specified author! The bookstore has reached out to you again to help them debug and fix the issue.



## Exercise

1. Use the updated code provided by the bookstore (in

remove\_books.py):

```
def remove_books_by_author(inventory,
author_to_remove):
    """
    Removes all books by a specified author
    from the inventory.

    Parameters:
    - inventory: List of dictionaries, where
    each dictionary represents a book with 'title'
    and 'author'.
    - author_to_remove: String, the name of the
    author whose books should be removed.
    """
    for book in inventory:
        if book['author'] == author_to_remove:
            inventory.remove(book)
    return inventory

# Example inventory with more realistic book
titles
inventory = [
    {'title': 'Shadows of Tomorrow', 'author':
'John Doe'},
    {'title': 'The Last Chronicle', 'author':
'Jane Smith'},
    {'title': 'Echoes of the Past', 'author':
'John Doe'},
    {'title': 'The Silent Forest', 'author':
'Emily Jones'},
    {'title': 'Beyond the Horizon', 'author':
'John Doe'},
    {'title': 'Whispers of the Ancient',
'author': 'John Doe'},
    {'title': 'Under the Moonlight', 'author':
'Michael Brown'}
]

# Author to remove
author_to_remove = 'John Doe'
```

```
# Remove books by the specified author
updated_inventory = remove_books_by_author(inventory,
author_to_remove)

print("Updated Inventory:")
for book in updated_inventory:
    print(f"- {book['title']} by {book['author']}")
```

2. Run the script and observe the output. You should notice that not all books by 'John Doe' are being removed.
3. Debug the code using any method you prefer (e.g., print statements, debugger, or any other debugging technique) to identify the issue.
4. Analyze the debugging output or use the chosen debugging technique to understand why not all books by 'John Doe' are being removed.
5. Based on your debugging findings, identify the issue in the code and make the necessary fixes.
6. After fixing the issue, run the script again to verify that all books by the specified author are being removed correctly.

## Submission

Submit your debugged and functional code along with a brief explanation of the issue you identified and how you fixed it. Mention the debugging technique you used to identify the problem.

