Your tasks

1. **Remove duplicates from the list of titles**

   o Use a set to deduplicate raw_titles.

   o Print the number of unique titles and the cleaned collection.

   o Bonus: keep the original order when creating a unique list.

2. **Create a dictionary of authors**

   o Convert isbn_author_pairs into a dictionary mapping ISBN → Author.

   o Print the dictionary and all keys.

3. **Build a catalog**

   o Create a list of dictionaries called catalog.

   o Each dictionary should contain:

      ▪ "title" – book title

      ▪ "isbn" – placeholder ISBN, e.g. "ISBN-001"

      ▪ "available" – True if not in loaned_titles, else False

   o Print the first 3 entries in the catalog.

4. **Extra challenge (optional)**

   o Create a frozenset containing all available titles.

   o Try to add a new title and see what happens.

At the end, you should have:

- A cleaned list of unique titles.

- A dictionary mapping ISBN to authors.

- A catalog (list of dicts) with availability info.

- An immutable snapshot of available books.