**a) Write a Python function that takes the following parameters:**

**books (a dictionary)** - A dictionary of books with the ISBN as the key and the value as another dictionary containing the book's title, author, and publication date.

**isbn (a string)** - The ISBN of the book to be added to the books dictionary.

**title (a string)** - The title of the book to be added.

**author (a string)** - The author of the book to be added.

**publication\_date (a string)** - The publication date of the book to be added.

The function should add the new book to the books dictionary using the given ISBN as the key and a dictionary containing the title, author, and publication date as the value.

**b) Write another Python function that takes the following parameters:**

**books (a dictionary)** - A dictionary of books with the ISBN as the key and the value as another dictionary containing the book's title, author, and publication date.

**isbn (a string)** - The ISBN of the book to be removed from the books dictionary.

The function should remove the book with the given ISBN from the books dictionary.

**c) Write a third Python function that takes the following parameters:**

**books (a dictionary)** - A dictionary of books with the ISBN as the key and the value as another dictionary containing the book's title, author, and publication date.

**author (a string)** - The author whose books you want to retrieve.

The function should return a list of all the books in the books dictionary that have the given author as the author. Each book should be represented as a dictionary containing the title, author, and publication date.

d) Write a main function which acts as an interface for user and performs following functions on dictionary.

1. Create Dictionary of Books
2. Remove an item from Dictionary.
3. Delete Dictionary
4. Search specific item from dictionary.
5. Insert an item to dictionary.
6. Update a specific value from dictionary. (e.g update title of book)
7. Count number of items in dictionary