

# GDGOC PIEAS REACTJS BOOTCAMP 2024

## Assignment Day 01

### **A Simple Library Manager:**

#### **Description:**

Make a library manager that display all books, books with higher rating, books by specific genre and books by author names.

#### **Task Details**

Create a folder in VS Code with the name "Assignment 01". Make two files in it one with the name of books.js and other with the name of manager.js

**Step 01** In book.js file, create an array of objects with the name "Books". Each object will have following data.

1. Id of the book (must be a number 1-20)
2. Title of the book (string)
3. Author of the book(string)
4. Rating(number 1-5)
5. Genre(string)

**Step 02** Export Books array to be used in manager.js file.

**Step 03** In manager.js file, import Books array.

**Step 04** Write following functions using map/filter operations. All functions must be arrow functions.

1. A function that prints books titles with rating higher than 4.5.
2. A function that iterates over an array of books and prints their details (title, author, rating, genre). Use destructuring to extract these values.
3. A function that prints book titles with the genre "fiction".
4. A function that display an array of book authors.

## Data:

ID	Title	Author	Rating	Genre
1	The Catcher in the Rye	J.D. Salinger	4.5	Fiction
2	To Kill a Mockingbird	Harper Lee	4.8	Fiction
3	1984	George Orwell	4.7	Fiction
4	Brave New World	Aldous Huxley	4.6	Science
5	The Great Gatsby	F. Scott Fitzgerald	4.3	Fiction
6	Pride and Prejudice	Jane Austen	4.9	Romance
7	The Fault in Our Stars	John Green	4.8	Romance
8	The Time Traveler's Wife	Audrey Niffenegger	4.5	Romance
9	A Brief History of Time	Stephen Hawking	4.7	Science
10	The Theory of Everything	Stephen Hawking	4.6	Science
11	The Hobbit	J.R.R. Tolkien	4.7	Fiction
12	The Lord of the Rings	J.R.R. Tolkien	4.9	Fiction
13	Wuthering Heights	Emily Brontë	4.6	Romance
14	Dune	Frank Herbert	4.8	Science
15	The Hunger Games	Suzanne Collins	4.5	Fiction
16	The Alchemist	Paulo Coelho	4.8	Fiction
17	The Notebook	Nicholas Sparks	4.4	Romance
18	Fifty Shades of Grey	E.L. James	4.2	Romance
19	The Martian	Andy Weir	4.8	Science
20	A Wrinkle in Time	Madeleine L'Engle	4.6	Science
21	The Picture of Dorian Gray	Oscar Wilde	4.5	Fiction
22	The Secret Garden	Frances Hodgson Burnett	4.7	Fiction
23	Jane Eyre	Charlotte Brontë	4.9	Romance
24	The Help	Kathryn Stockett	4.7	Fiction
25	The Fault in Our Stars	John Green	4.8	Romance
26	The Road	Cormac McCarthy	4.2	Fiction
27	The Science of Interstellar	Kip Thorne	4.6	Science
28	Atlas Shrugged	Ayn Rand	4.3	Fiction
29	Ender's Game	Orson Scott Card	4.7	Science
30	The Rosie Project	Graeme Simsion	4.6	Romance

Happy Coding!