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```python
import pandas as pd
df = pd.read_csv("D:Edu/Faculty/Courses/Sections/cloud computing/assingmnent 2/books.csv")
```

```python
df.dropna(inplace=True)
df.drop_duplicates(inplace=True)
df.drop(columns=["isbn","isbn13","original_publication_year","image_url","small_image_url","language_code","book_id","goodreads_b
df
```

	authors	original_title	title	average_rating	ratings_count	work_ratings_count	work_text_reviews_count	ratings_1	ratings_2	ratings_3	ratings
0	Suzanne Collins	The Hunger Games	The Hunger Games (The Hunger Games, #1)	4.34	4780653	4942365	155254	66715	127936	560092	14813
1	J.K. Rowling, Mary GrandPré	Harry Potter and the Philosopher's Stone	Harry Potter and the Sorcerer's Stone (Harry P...	4.44	4602479	4800065	75867	75504	101676	455024	11563
2	Stephenie Meyer	Twilight	Twilight (Twilight, #1)	3.57	3866839	3916824	95009	456191	436802	793319	8750
3	John Green	The Fault in Our Stars	The Fault in Our Stars	4.26	2346404	2478609	140739	47994	92723	327550	6984
4	Veronica Roth	Divergent	Divergent (Divergent, #1)	4.24	1903563	2216814	101023	36315	82870	310297	6730
...	...	...	...	...	...	...	...	...	...	...	...

```python
In [5]: harry_potter_df = df[df['original_title'].str.contains("Harry Potter", case=False)]
        harry_potter_df
```

Out[5]:

	authors	original_title	title	average_rating	ratings_count	work_ratings_count	work_text_reviews_count	ratings_1	ratings_2	ratings_3	ratings_4
1	J.K. Rowling, Mary GrandPré	Harry Potter and the Philosopher's Stone	Harry Potter and the Sorcerer's Stone (Harry P...	4.44	4602479	4800065	75867	75504	101676	455024	1156318
6	J.K. Rowling, Mary GrandPré, Rufus Beck	Harry Potter and the Prisoner of Azkaban	Harry Potter and the Prisoner of Azkaban (Harr...	4.53	1832823	1969375	36099	6716	20413	166129	509447
8	J.K. Rowling, Mary GrandPré	Harry Potter and the Order of the Phoenix	Harry Potter and the Order of the Phoenix (Har...	4.46	1735368	1840548	28685	9528	31577	180210	494427
9	J.K. Rowling, Mary GrandPré	Harry Potter and the Chamber of Secrets	Harry Potter and the Chamber of Secrets (Harry...	4.37	1779331	1906199	34172	8253	42251	242345	548266
10	J.K. Rowling, Mary	Harry Potter and the Goblet of	Harry Potter and the Goblet of Fire	4.53	1753043	1868642	31084	6676	20210	151785	494926

```python
In [6]: most_selling_books = harry_potter_df.sort_values(by="ratings_count", ascending=False)

        print(most_selling_books[["title", "authors", "ratings_count"]].head().to_string(index=False))
```

```
                                                title                      authors  ratings_count
     Harry Potter and the Sorcerer's Stone (Harry Potter, #1)          J.K. Rowling, Mary GrandPré        4602479
   Harry Potter and the Prisoner of Azkaban (Harry Potter, #3) J.K. Rowling, Mary GrandPré, Rufus Beck       1832823
    Harry Potter and the Chamber of Secrets (Harry Potter, #2)          J.K. Rowling, Mary GrandPré        1779331
       Harry Potter and the Goblet of Fire (Harry Potter, #4)          J.K. Rowling, Mary GrandPré        1753043
      Harry Potter and the Deathly Hallows (Harry Potter, #7)          J.K. Rowling, Mary GrandPré        1746574
```

```python
In [7]: average_rating = harry_potter_df["average_rating"].mean()

        print("Average rating of Harry Potter books:", average_rating)
```

```
Average rating of Harry Potter books: 4.4910000000000005
```

```python
In [ ]:
```