## **Django ORM Task 1** (share the screenshots of the task)

- 1. Create a django project named library
- 2. Inside the project create and app named book
- 3. create 2 models in the app for storing data of books and authors
- -- authors[first\_name, last\_name, email, books\_count, average\_rating]
- -- books[name, price, average\_rating, count, author(foreign key)]

```
File Edit Selection View Go Run ...  

EXPLORER ...  

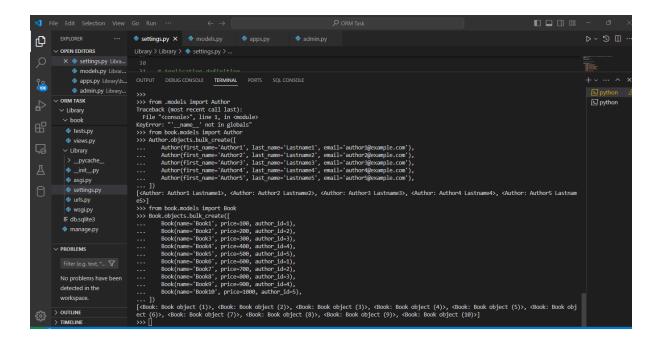
settings.py  

book > models.py X  

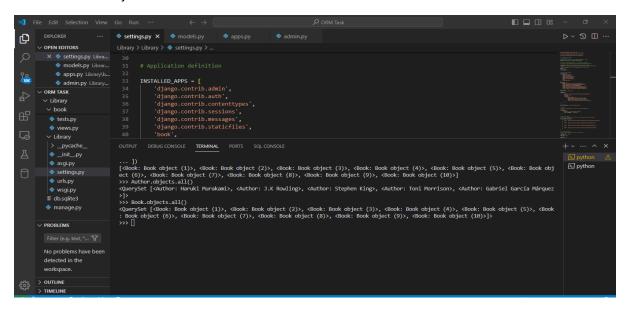
settings.py libra...  

settings.p
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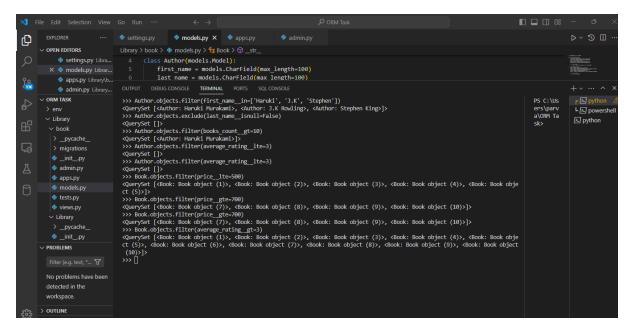
- 4. install django-extensions package and use shell\_plus to run queries
- -- create 5 authors
- -- create 10 books



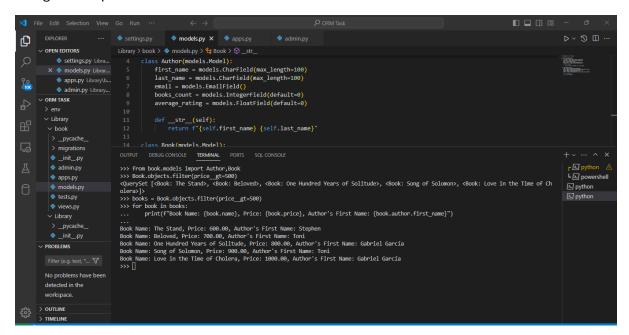
-- show all the objects in books and authors model



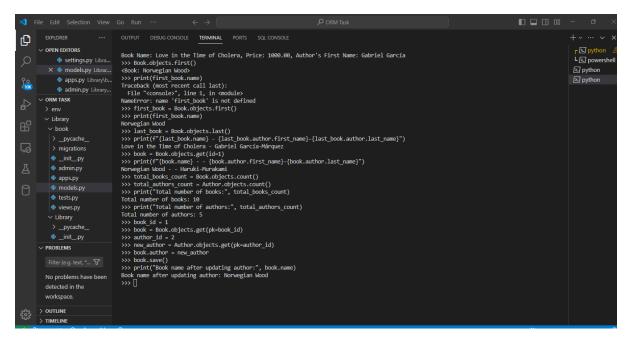
- -- filter and show some authors using first\_name field
- -- filter and show some authors that does not have a last\_name
- -- filter and show some authors that have books count greater than 10
- -- filter and show some authors that have an average rating less than or equal to 3
- -- filter and show some books that have price less than or equal to 500
- -- filter and show some books that have proce grater than or equal to 700
- -- filter and show some books that has an average rating greater than 3



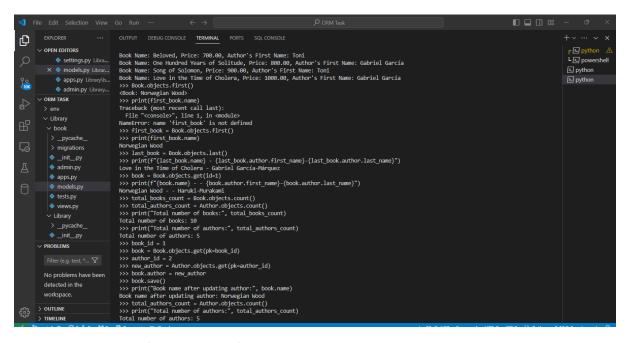
- -- filter and show some books that has count greater than 100
- -- filter some books that has price greater than 500 and show the names of all one by one along with its price and author's first name



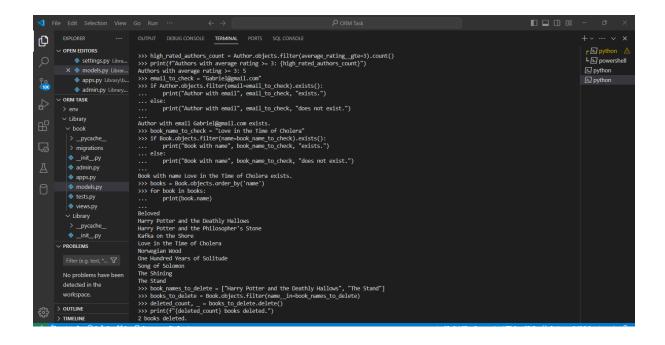
- -- fetch the first book and show its name
- -- fetch the last book and show its authors full name
- -- fetch a book using its id, show its name and author's full name
- -- show the total count of books and authors
- -- fetch a book by its id and update the author and save



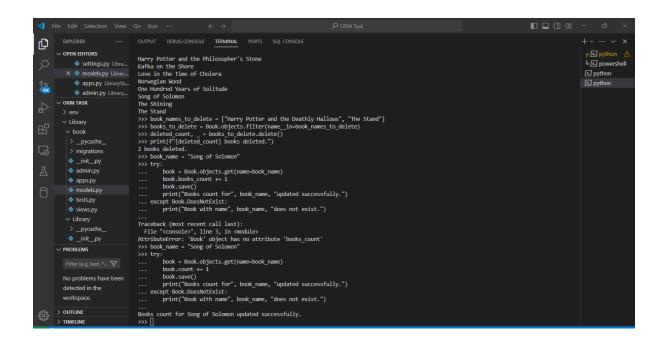
- -- show the total count of authors
- -- show the count of authors that has an average rating greater than or equal to 3
- -- check whether an author exists in the table using email field
- -- check whether a book exists in the table with its name



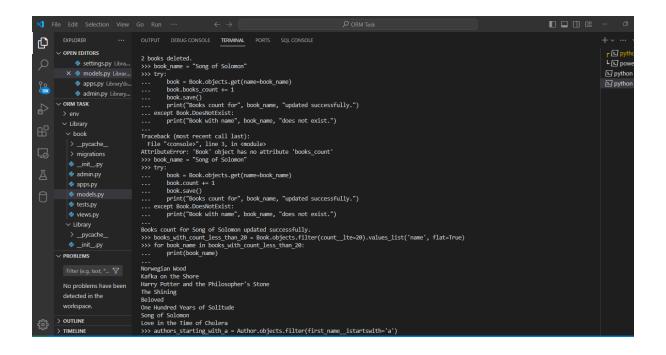
- -- show all the books in the order of its name
- -- delete 2 books from the table after fetching it with name



-- update the books count value after fetching a book using its name



- -- filter and show the name of books that has books count less than or equal to 20
- -- show all the authors that has first name starting wth "a"



- -- show all the authors that contains "d" in the first name
- -- delete the books that has book count 0

