

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

1. Create a django project named library
2. Inside the project create an 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)]
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 price greater 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 with "a"
  - show all the authors that contains "d" in the first name
  - delete the books that has book count 0