

Midterm Assignment

Instructions

- The report should contain both the queries/functions you used for each question and output. If the question is to create a table or view execute a *select ** command for that table/view and add the output of that query as well.
- Submit one file .pdf file containing all answers. The name should be <roll_no>_assignment<number>.pdf
- Use DVD Rental Database.
- Complete the assignment only using sql (do not use python or any other programming language)

Questions :

1. Add a column genre in the film table and its value can't be null and text length should not be more than 100.[Hint: Not Null constraint will be added after inserting values.
2. Insert values inside the genre column from existing film category data.
3. Write a query to find the title, category name and last name of at most 3 cast members of the movies with their title starting with a vowel. (The cast member names should be appended in a single cell as comma separated values. Hint: you may want to use '*Limit*' command)

Sample o/p :

Title:	Category:	Cast
American Hustle	Drama	Bale,Cooper,Adams

4. Display the name and total payment of customers who have made top 5 total payments in descending order of the total payment made.
5. Create two user groups called customer and cashier. The customer can only view the movie titles, category names and cast of the movies. The cashier should only be able to view payment details of customers with their name, no other details of customers should be accessible to the cashier other than the name and payment details. Add a few users in both groups.

[Hint : Granting select to particular columns on each table may not always help, instead you can create views and give permission on views]

6. Create a function to calculate a cash back offer on total payments done by each customer. The function should take the customer id as an argument and calculate their cash back on total payments they made. Top 10% customers based on the total payment made will get a 2% cash back else 1% cash back. The function should return the customer name and cashback amount.