**MySQL Presentation Questions**

**Database: SAKILA**

General Questions to demonstrate Python-SQL integration and some charts (if needed using Python):

1. How is the length of the movie related to the movie rating, rental duration and rental rate set by the store? TABLE(s): film
2. Which category of movie is the longest and does this have any relationship with rental rate? TABLE(s) category, film, film category
3. Which actor has best average rental rate for his/ her movie? -- TABLE(s) film\_actor, films
4. Which category (genre or rating) of film has the most rentals, and does this have to do anything with the length of the film? TABLE(s): category, film, inventory, rental
5. What are the top 5 earning genre or rating of films rented by the customers per store - count and revenue? TABLES: category, payment, film

Ntile():

1. Classify the film genres into buckets of top earnings (rental count \* rental rate)?
2. Classify actors into buckets of most rented (demand)?

Last\_value():

1. What is the genre of the last movie rented in a day? TABLE(s): film, rental, inventory
2. What is the last/ latest payment of customer from the given data (name of the customer also to be queried)? TABLE(s): payment, customer

Lag():

1. What is the typical time duration between successive rentals of a customer? TABLE(s): rental
2. What is the typical time duration between successive rental service fulfilled by the staff? TABLE(s): rental, staff
3. What is the time duration between successive payments at each of the stores (frequency of payments received)? TABLE(s): payment, staff, store

Added by Rajesh R

You are the store Data Analyst and Kirk Gopal is an investor looking to buy the stores. He has a few queries that would like to get answers for.

1. Kirk Gopal is looking to meet the staff in each store, let him know the address to meet them

2. Kirk Gopal want to understand the inventory is in terms of replacement cost. He wants to see the impact if a certain category of film became unpopular at a certain store. He would like to see the number of films, as well as the average replacement cost, and total replacement cost, sliced by store and film category.

3. Kirk wants to the customer demographics. Please provide a list of all customer names, which store they go to, whether or not they are currently active, and their full addresses.

4. Kirk Gopal would like to understand how much customers are spending with you, and also to know who your most top paying customers are.