Custoner Exercise 1 Account cCode acode Name Opening Pate Balance Accounting

SELECT SUM(f.amount), b.Name FROM Fact f
JOINS Account a ON f.aCode = a.aCode
JOINS Customer c ON f.cCode = c.cCode
JOINS Branch b ON f.Branch_id = b.Branch_id
JOINS Date d ON f.date_id = d.date_id
WHERE d.date = date('2009') AND a.AccountType = 'student'
GROUP BY b.Name

Exercise 2

Description: Twitch.tv is a popular Game streaming platform where gamers can stream while they're playing and communicate with the people watching his stream. Viewers can "donate" money to the gamer to support his stream in return if they want to.

Business Questions:

- 1. The model should support query to show the total donations of each viewer in a stream in order from highest to lowest.
- 2. The model should support query about the daily total donation a streamer received this month.

Dimensional Diagram:

Account

SQL Statements:

- Assume that Date column only stores only DD-MM-YY
- SELECT f.donator_id, c.currency_name, SUM(f.amount) FROM Fact f JOINS Currency c ON f.currency_code = c.currency_code GROUP BY f.donator_id ORDER BY SUM(f.amount)
- SELECT f.account_id, c.currency_name, SUM(f.amount), d.date FROM Fact f
 JOINS Currency c ON f.currency_code = c.currency_code
 JOINS Date d ON f.date_id = d.date_id
 WHERE d.date = date('10','2016')
 GROUP BY f.account_id
 ORDER BY f.account_id, trunc(d.date)