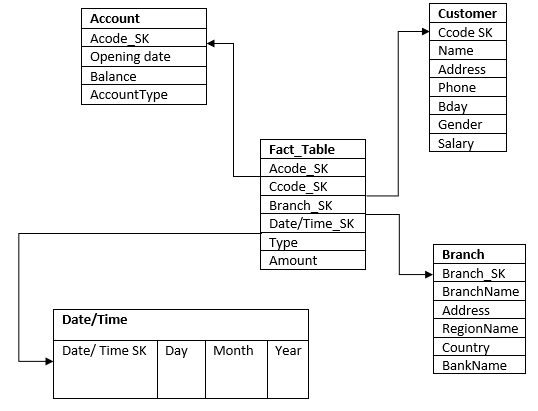
## Lab 5 Dimensional Models

1. ACCOUNT (aCode, OpeningDate, Balance,BrenchID (FK), AccountType, cCode (FK)) CUSTOMER (cCode, Name, Address, Phone, BDay, Gender, Salary) TRANSACTION (Tcode, Date, Type, amount, aCode (FK) )   
   BRANCH (BrenchID, Name, Address, RegionID (FK), BankID (FK) )   
   REGION (RegionID, RegionName, Country)   
   BANK (BankID, Name,)



Select sum (Fact\_Table. Amount), Branch.BranchName From Fact\_Table  
Join Account on Fact\_Table.Acode SK = Acode\_SK  
Join Branch on Fact\_Table.Branch\_SK = Branch\_SK  
Join Date/Time on Fact\_Table.Date/Time\_SK = Date/Time\_SK

Where Account. AccountType = ‘Student’ and  
Date/Time.Day between 1 and 31 and

Date/Time.Month ‘Jan’ and ‘Dec’ and

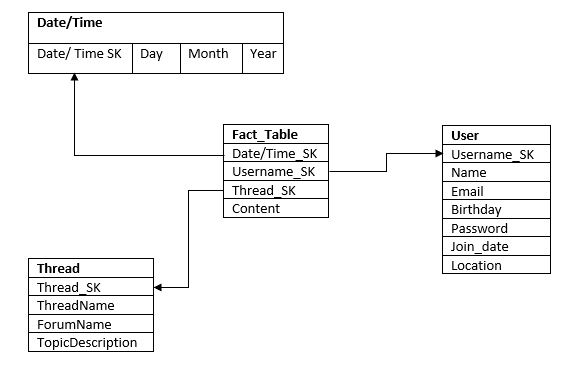
Date/Time.Year = 2009  
Group by Branch\_SK

1. User (Username, Password, Name, Email)  
   Forum (Fid, ForumName, Topic)  
   Thread (Tid, Tname, CreatedDate, Fid(FK))  
   Topic (TopicID, TopicDescription)  
   Posts (Pid, Tid, Username, Content, Timestamp)

One Topic many Forums  
One Forum Many Threads

One Threads Many Posts

One User Many Posts



Query 1: Total number of posts on the on a thread by a user.  
Select count (\*) From Fact\_Table  
Join Thread on Fact\_Table.Thread\_SK = Thread.Thread\_SK

Join User on Fact\_Table.Username\_SK = User.Username\_SK  
Where User.Username\_SK = ‘Jordan’ and Thread.Thread\_SK = 123

Query 2: Shows the content a user has posted over a period of time  
Select content From Fact\_Table  
Join Date/Time on Fact\_Table.Date/Time\_SK = Date/Time.Date/Time\_SK  
Join User on Fact\_Table.Username\_SK = User.Username\_SK  
Join Thread on Fact\_Table.Thread\_SK = Thread.Thread\_SK  
Where User.Username = ‘Jordan’ and Thred.Thread\_SK = 123

And Date/Time.Day Between 1 and 31 and Date/Time.Month = ‘April’

And Date/Time.Year = 2016

I done my dimensional model on Boards.ie. Boards.ie is a large Irish Forum on the internet. This allows Users can post questions or opinions on certain topics of interest. Other people can then see what this person has posted and then reply to it. There is a huge verity of topics to post and comment on.