**#View -View is a virtual table which is used to hide Parent table data.**

**Create database subqueriesandJoin;**

**Create table company(Name varchar(20),Branch varchar(20),Employees int);**

**Create table Established(Name varchar(20),Year int);**

**INSERT INTO company (Name, Branch, Employees) VALUES**

**('QA ClickAcademy', 'US', 20),**

**('Google', 'US', 500),**

**('Yahoo', 'Canada', 250),**

**('Google', 'India', 400),**

**('QA ClickAcademy', 'India', 75),**

**('QA ClickAcademy', 'UK', 10),**

**('QA ClickAcademy', 'Canada', 30),**

**('Yahoo', 'US', 200),**

**('Yahoo', 'India', 150),**

**('Facebook', 'US', 50);**

**Select\* from company;**

**INSERT INTO Established (Name, Year) VALUES**

**('QA ClickAcademy', 2010),**

**('Google', 1990),**

**('Yahoo', 1992),**

**('Facebook', 1992);**

**Select\* from Established;**

**Select C.name,C.Branch,C.Employees,E.Year from Established as E join company as C on E.name = C.name;**

**Select C.name,Sum(C.Employees) from Established as E join company as C on E.name = C.name group by C.Name having E.year=1990;**

**Select \*from company**

**For view in any table-**

**Create view google\_info as**

**Select\* from company where name=’google’;**

**Select \*from company**

**If you want to find company where employees is greater than avg employees of all companies and also create one view**

**Select avg(employees) from company;**

**Select Name,sum(Employees) as Avg from company group by Name having Avg>168.500;**

**If you want to create view as Avg\_company then**

**Create view Avg\_company as**

**Select Name,sum(Employees) as Avg from company group by Name having Avg>(Select avg(employees) from company);**

**And then if we want to select data from Avg\_company:-**

**Select\*from Avg\_company;**

**String functions-**

**#Concat-** **Select concat(name,branch) from company;**

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| **YahooIndia** |
| **YahooCanada** |
| **QA ClickAcademyUS** |
| **QA ClickAcademyUK** |
| **QA ClickAcademyIndia** |
| **QA ClickAcademyCanada** |
| **GoogleUS** |
| **GoogleIndia** |
| **FacebookUS** |

**#Substring-**

**If you want to select substr(name,8) from company where name= ’qaclickacademy’**

**select substr(name,8) from company where name= 'QA ClickAcademy';**

**select substr(name,4) from company where name= 'Google';**

**select substr(name,8) from company where name= 'QA ClickAcademy';**

**select substr(name,4) from company where name= 'Google';**

**select substr(name,2,3) from company where name= 'Google';**