**Project- Acquisitions and IPOs**

create database Project\_SQL;

use Project\_SQL;

--Cleaning Table(Removing Unwanted Columns)

ALTER TABLE acquisitions

DROP COLUMN column35, column36, column37, column38,column39, column40,

column41, column42, column43, column44,

column45, column46;

--Server Name "DESKTOP-K2S8TEA\PANKAJ"

/\* Analysis 1 \*/

--"Distribution of acquirers who already did IPO vs who didn't"

select \* from acquisitions;

select \* from ipo;

acquisitions; --select and press alt+F1 to know information about acquistion table

IPO; --select and press alt+F1 to know information about IPO table

--acqurirers having ipos

--Base Code

select acquisitions.acquirer\_uuid,\* from acquisitions, IPO

where acquisitions.acquirer\_uuid= IPO.org\_uuid

--Modified Code

select acquisitions.acquirer\_uuid,IPO.org\_uuid, acquisitions.acquiree\_name,

acquisitions.acquirer\_name, acquisitions.acquirer\_country\_code,

IPO.type, acquisitions.price\_usd,

IPO.money\_raised

from acquisitions, IPO

where acquisitions.acquirer\_uuid= IPO.org\_uuid;

--acquirers not having ipos

--Base Code

select acquisitions.acquirer\_uuid,\* from acquisitions

where uuid not in (select acquisitions.uuid from acquisitions, IPO

where acquisitions.acquirer\_uuid= IPO.org\_uuid)

--Modified Code

select acquisitions.acquirer\_uuid, acquisitions.acquiree\_name,

acquisitions.acquirer\_name, acquisitions.acquirer\_country\_code,

acquisitions.type, acquisitions.price\_usd

from acquisitions

where uuid not in (select acquisitions.uuid from acquisitions, IPO

where acquisitions.acquirer\_uuid= IPO.org\_uuid);

/\* Analysis 2 \*/

--"Regional Analysis of Acquirers and acquirees"

select acquirer\_region, count(acquirer\_region) as 'No. of Acquirer belongs'

from acquisitions group by acquirer\_region;

select acquiree\_region, count(acquiree\_region) as 'No. of Acquiree belongs'

from acquisitions WHERE acquiree\_region IS NOT NULL group by acquiree\_region;

/\* Analysis 3 \*/

--"Price analysis of different acquisitions- Make bins of price(Using SQL only) and see in which bin max acquisitions lie as well"

SELECT

count(CASE WHEN price\_usd>= 100000 AND price\_usd < 100000000 THEN 1 END) AS '0.1M - 100M ',

count(CASE WHEN price\_usd>= 100000000 AND price\_usd < 200000000 THEN 1 END) AS '100M - 200M',

count(CASE WHEN price\_usd>= 200000000 AND price\_usd < 300000000 THEN 1 END) AS '200M - 300M',

count(CASE WHEN price\_usd>= 300000000 AND price\_usd < 400000000 THEN 1 END) AS '300M - 400M',

count(CASE WHEN price\_usd>= 400000000 AND price\_usd < 500000000 THEN 1 END) AS '400M - 500M',

count(CASE WHEN price\_usd>= 500000000 AND price\_usd < 600000000 THEN 1 END) AS '500M - 600M',

count(CASE WHEN price\_usd>= 600000000 AND price\_usd < 700000000 THEN 1 END) AS '600M - 700M',

count(CASE WHEN price\_usd>= 700000000 AND price\_usd < 800000000 THEN 1 END) AS '700M - 800M'

FROM acquisitions AS Price\_Bin

/\* Analysis 4 \*/

--"Monthly analysis of number of acquisitions and IPOs"

--Months in String

SELECT DATENAME (MONTH, DATEADD(MONTH, MONTH(acquired\_on) - 1, '1900-01-01')) Month,

COUNT(\*) as 'Count of Acquisitions'

FROM acquisitions

GROUP BY MONTH(acquired\_on);

SELECT DATENAME (MONTH, DATEADD(MONTH, MONTH(went\_public\_on) - 1, '1900-01-01')) Month,

COUNT(\*) 'Count of IPOs'

FROM IPO

GROUP BY MONTH(went\_public\_on);

--Months in Number

SELECT MONTH(acquired\_on) MONTH, COUNT(\*) COUNT

FROM acquisitions

GROUP BY MONTH(acquired\_on);

SELECT MONTH(went\_public\_on) MONTH, COUNT(\*) COUNT

FROM IPO

GROUP BY MONTH(went\_public\_on);

/\* Analysis 5 \*/

--"Analysis of social media presence of acquirers vs acquirees"

SELECT acquirer\_social\_media,count(\*) as 'no\_of\_social\_acquirers',

acquiree\_social\_media,count(acquiree\_social\_media) as 'no\_of\_social\_acquirees'

FROM acquisitions group by acquirer\_social\_media,acquiree\_social\_media

/\* Analysis 6 \*/

--"Qualification (Degree) and Institution Analysis of directors of acquirers vs acquirees"

SELECT acquisitions.acquiree\_Director\_nanme,

Degree.degree\_type, Degree.institution\_name

FROM acquisitions

INNER JOIN Degree

ON acquisitions.acquiree\_Director\_Id = Degree.person\_uuid;

SELECT acquisitions.acquirer\_director\_name,

Degree.degree\_type, Degree.institution\_name

FROM acquisitions

INNER JOIN Degree

ON acquisitions.acquirer\_director\_Id= Degree.person\_uuid;

/\* Analysis 7 \*/

--"Check number of such acquisitions where both directors of acquirer and acquiree are from the same institute"

select \* from acquisitions;

select \* from Degree;

--Base Code For Join

SELECT acquisitions.acquiree\_Director\_nanme,acquisitions.acquirer\_director\_name,

Degree.degree\_type, Degree.institution\_name

FROM acquisitions

INNER JOIN Degree

ON acquisitions.acquiree\_Director\_Id = Degree.person\_uuid;

--Code for Making Modified Table

--for table 1

SELECT acquisitions.acquiree\_Director\_nanme,

Degree.degree\_type, Degree.institution\_name

FROM acquisitions

INNER JOIN Degree

ON acquisitions.acquiree\_Director\_Id = Degree.person\_uuid;

--for table 2

SELECT acquisitions.acquirer\_director\_name,

Degree.degree\_type, Degree.institution\_name

FROM acquisitions

INNER JOIN Degree

ON acquisitions.acquirer\_director\_Id= Degree.person\_uuid;

--Creating Two Temporary Table

--Table 1

SELECT acquisitions.acquiree\_Director\_nanme,

Degree.degree\_type, Degree.institution\_name

Into temp\_tbl1

FROM acquisitions

INNER JOIN Degree

ON acquisitions.acquiree\_Director\_Id = Degree.person\_uuid;

--Table 2

SELECT acquisitions.acquirer\_director\_name,

Degree.degree\_type, Degree.institution\_name

Into temp\_tbl2

FROM acquisitions

INNER JOIN Degree

ON acquisitions.acquirer\_director\_Id= Degree.person\_uuid;

select \* from temp\_tbl1;

select \* from temp\_tbl2;

--Inner Join Between Two Temporary table between Institute

SELECT temp\_tbl1.acquiree\_Director\_nanme,

temp\_tbl1.degree\_type, temp\_tbl1.institution\_name,

temp\_tbl2.acquirer\_Director\_name,

temp\_tbl2.degree\_type

FROM temp\_tbl1

INNER JOIN temp\_tbl2

ON temp\_tbl1.institution\_name = temp\_tbl2.institution\_name;