Creating the database & tables

create database assessment

create table branch\_master(

branch\_id varchar(6),

branch\_name varchar(30),

branch\_city varchar(30),

constraint pk\_bid primary key(branch\_id),

)

create table loan\_details(

customer\_number varchar(6),

branch\_id varchar(6),

loan\_amount int,

constraint fk\_bid foreign key(branch\_id) references branch\_master (branch\_id),

constraint fk\_cust foreign key(customer\_number) references customer\_master (customer\_number),

)

create table customer\_master(

customer\_number varchar(6),

first\_name varchar(30),

middle\_name varchar(30),

last\_name varchar(30),

customer\_city varchar(15),

customer\_contact\_no varchar(10),

occupation varchar(20),

customer\_date\_of\_birth Date,

constraint pk\_cusno primary key(customer\_number)

)

create table transaction\_details(

transaction\_number varchar(6),

account\_number varchar(6),

date\_of\_transaction Date,

medium\_of\_transaction varchar(20),

transaction\_type varchar(20),

transaction\_amount int,

constraint pk\_tran primary key(transaction\_number),

constraint fk\_acc foreign key( account\_number ) references account\_master ( account\_number ),

)

create table account\_master(

account\_number varchar(6),

customer\_number varchar(6),

branch\_id varchar(6),

opening\_balance int,

account\_opening\_date Date,

accoount\_type varchar(10),

account\_status varchar(10),

constraint pk\_acc primary key(account\_number),

constraint fk\_cus foreign key(customer\_number) references customer\_master (customer\_number),

constraint fk\_bid1 foreign key(branch\_id) references branch\_master (branch\_id),

)

Question solving

SELECT \* FROM transaction\_details

SELECT \* FROM loan\_details

SELECT \* FROM account\_master

SELECT \* FROM customer\_master

SELECT \* FROM branch\_master

-------------------------------------------------------1stques----------------------------------------------------

select a.account\_number,a.customer\_number,c.first\_name,c.last\_name,a.account\_opening\_date from

account\_master a left join

customer\_master c

on a.customer\_number=c.customer\_number

--------------------------------------------------------2ndques----------------------------------------------------

select count(customer\_city) as 'Cust\_Count' from customer\_master where customer\_city='DELHI'

----------------------------------------------------------3rdques---------------------------------------------------

select a.account\_number,a.customer\_number,c.first\_name from

account\_master a left join

customer\_master c

on a.customer\_number=c.customer\_number where day(a.account\_opening\_date)>15

-----------------------------------------------------------4thques-------------------------------------------------------

select c.customer\_number, c.first\_name, a.account\_number from

customer\_master c

left join

account\_master a

on a.customer\_number=c.customer\_number where a.account\_status='TERMINATED' order by c.customer\_number asc, a.account\_number asc

-----------------------------------------------5th ques-------------------------------------------------------------------

select count(\*) as Trans\_Count , t.transaction\_type

from transaction\_details t, account\_master a

where a.account\_number = t.account\_number and a.customer\_number like '%001' group by t.transaction\_type order by t.transaction\_type asc;

----------------------------------------------6thques----------------------------------------------------------

select count(\*) as Count\_Customer from customer\_master

where customer\_number not in (select distinct customer\_number from account\_master)

-----------------------------------------------7thques----------------------------------------------------------

select t.account\_number,sum(transaction\_amount)+opening\_balance as"Deposit\_Amount" from transaction\_details t

join account\_master a on a.account\_number=t.account\_number

where transaction\_type = 'DEPOSIT'

group by t.account\_number, a.opening\_balance