**Name – Ayush Mondal**

**Course – B.Tech , CSE , 2nd Sem , SEC- A**

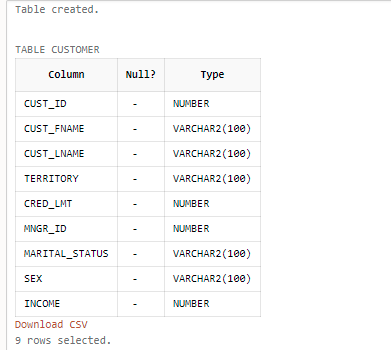
**Enroll Id – 2011200001017**

**Registration Id – 200010170880**

**1.Create and insert given data in table customer.**

**create table customer(cust\_id int,cust\_fname varchar2(100),cust\_lname varchar2(100),territory varchar2(100),cred\_lmt int,mngr\_id int,marital\_status varchar2(100),sex varchar2(100),income int);**

**desc customer;**

****

**2. Alter table and Add column stay\_from\_year**

**insert into customer(cust\_id,cust\_fname ,cust\_lname,territory,cred\_lmt,mngr\_id,marital\_status,sex,income) values(01,'Rahul','Singh','India',10000,112,'Single','Male',65000);**

**select \*from customer;**

**insert into customer(cust\_id,cust\_fname ,cust\_lname,territory,cred\_lmt,mngr\_id,marital\_status,sex,income) values(02,'Meg','Sen','India',15000,113,'Married','Male',67000);**

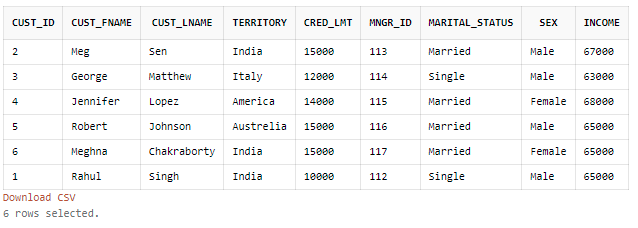
**insert into customer(cust\_id,cust\_fname ,cust\_lname,territory,cred\_lmt,mngr\_id,marital\_status,sex,income) values(03,'George','Matthew','Italy',12000,114,'Single','Male',63000);**

**insert into customer(cust\_id,cust\_fname ,cust\_lname,territory,cred\_lmt,mngr\_id,marital\_status,sex,income) values(04,'Jennifer','Lopez','America',14000,115,'Married','Female',68000);**

**insert into customer(cust\_id,cust\_fname ,cust\_lname,territory,cred\_lmt,mngr\_id,marital\_status,sex,income) values(05,'Robert','Johnson','Austrelia',15000,116,'Married','Male',65000);**

**insert into customer(cust\_id,cust\_fname ,cust\_lname,territory,cred\_lmt,mngr\_id,marital\_status,sex,income) values(06,'Meghna','Chakraborty','India',15000,117,'Married','Female',65000);**

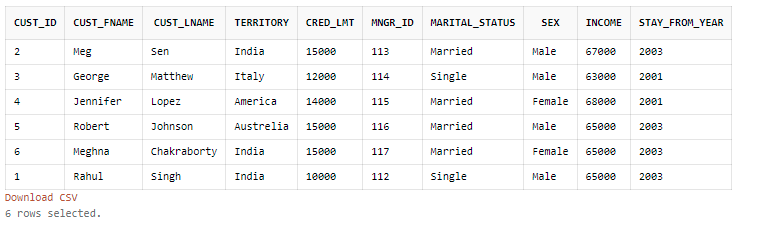
**alter table customer add stay\_from\_year int;**

****

**3. Set value of stay\_from\_year as 2001 for Italy/America and 2003 otherwise**

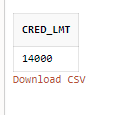
**update customer set stay\_from\_year=2001 where territory in ('Italy','America');**

**update customer set stay\_from\_year=2003 where territory not in ('Italy','America');**

****

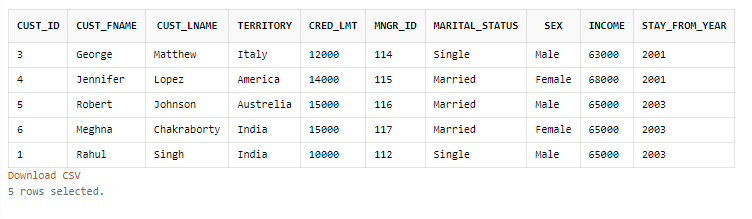
**4. Display credit limit attribute for America**

**select cred\_lmt from customer where territory ='America';**

****

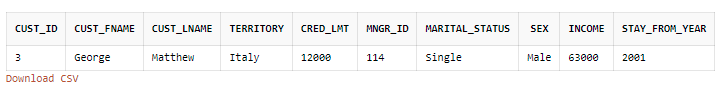
**5. Delete the record corresponding to Meg Sen**

**delete from customer where cust\_fname='Meg' and cust\_lname='Sen';**

****

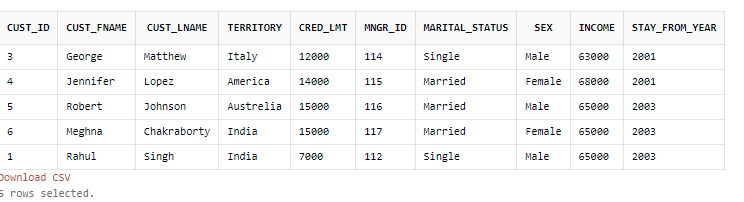
**6. Show all attributes for Italy// Show all data in the territory Italy**

**select \*from customer where territory='Italy';**

****

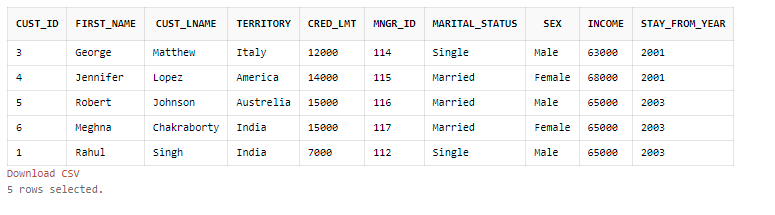
**7. If territory is India and status is Single set value of credit to 7000**

**update customer set cred\_lmt=7000 where territory='India' and marital\_status='Single';**

****

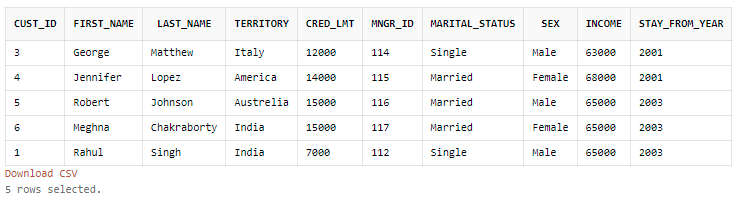
**8. Rename cust\_fname to first\_name**

**alter table customer rename column cust\_fname to first\_name;**

****

**9. Rename cust\_lname to last\_name**

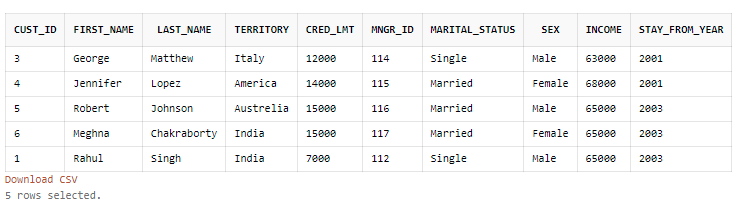
**alter table customer rename column cust\_lname to last\_name;**

****

**10. Create table cust1 from the old table customer(copy structure as well as data using CTAS statement).**

**create table cust1 as (select \* from customer where 1=1);**

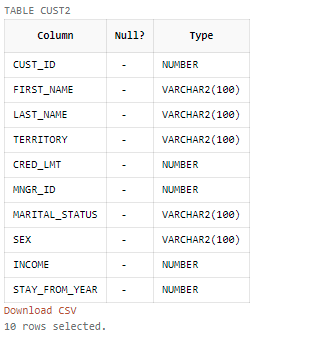
**select \* from cust1;**

****

**11.Create tables cust2 without values of cust1 using CTAS statement.**

**create table cust2 as (select \* from cust1 where 2=1);**

**desc cust2;**

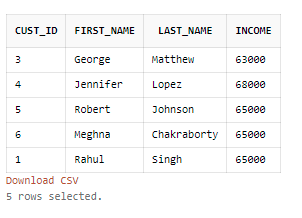
****

**12.Create tables cust3 with attributes cust\_id,cust\_fname,cust\_lname,income from old customer table only 5**

**rows.(using CTAS statement).**

**create table cust3 as (select cust\_id,cust\_fname,cust\_lname,income from customer where 1=1);**

**select \* from cust3;**

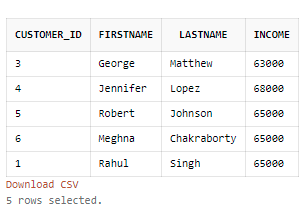
****

**13.Create tables cust4 with attributes name customer\_id,firstname,lastname, income from old customer**

**table(using CTAS statement).**

**create table cust4 (customer\_id ,firstname ,lastname , income ) as (select cust\_id,first\_name,last\_name,income from customer where 1=1);**

**select \* from cust4;**

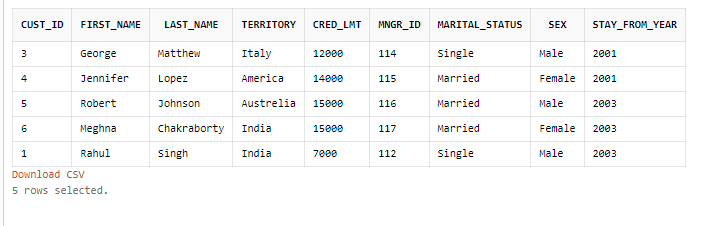
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**14. Drop column income from cust1.**

**ALTER TABLE cust1**

**DROP COLUMN income;**

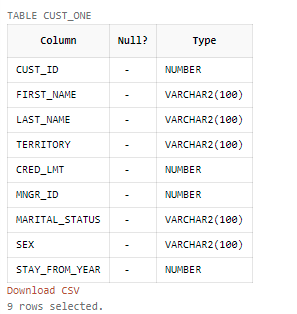
**select \* from cust1;**

****

**15. Rename table cust1 to cust\_one**

**RENAME cust1 to cust\_one;**

**desc cust\_one;**

****

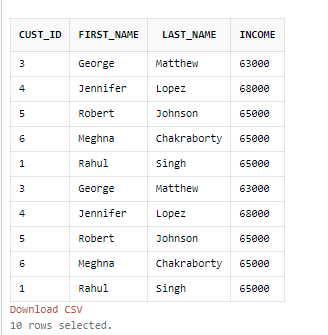
**16. Insert values into cust2 table from customer table**

**INSERT INTO cust2**

**SELECT \* FROM customer**

**WHERE 1=1;**

**select \* from cust2;**

****

**17. Insert values into cust3 table with attributescust\_ id, f\_name, l\_name,Income from customer table where**

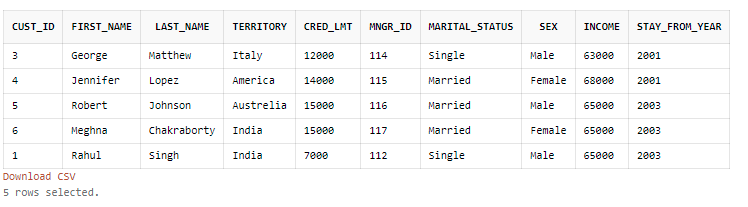
**income > 50000**

**INSERT INTO cust3**

**SELECT cust\_id , first\_name , last\_name , income FROM customer**

**WHERE income > 50000;**

**select \* from cust3;**

****

**18. alter the table cust4 change cust id to varchar(6) and income to number(5)**

**DELETE FROM cust4;**

**desc cust4;**

**ALTER TABLE cust4**

**MODIFY customer\_id varchar(6);**

**ALTER TABLE cust4**

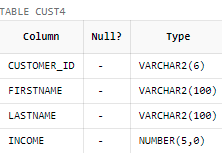
**MODIFY income number(5);**

**INSERT INTO cust4**

**SELECT cust\_id,first\_name,last\_name,income FROM customer**

**WHERE 1=1 ;**

**desc cust4;**

****

**19. Add new attribute mngr\_name to cust4 and insert 5 records**

**ALTER TABLE cust4**

**ADD mngr\_name varchar(60) ;**

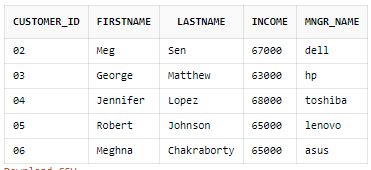
**insert into cust4(customer\_id,firstname ,lastname,income,mngr\_name) values('02','Meg','Sen',67000,'dell');**

**insert into cust4(customer\_id,firstname ,lastname,income,mngr\_name) values('03','George','Matthew',63000,'hp');**

**insert into cust4(customer\_id,firstname ,lastname,income,mngr\_name) values('04','Jennifer','Lopez',68000, 'toshiba');**

**insert into cust4(customer\_id,firstname ,lastname,income,mngr\_name) values('05','Robert','Johnson',65000, 'lenovo');**

**insert into cust4(customer\_id,firstname ,lastname,income,mngr\_name) values('06','Meghna','Chakraborty',65000, 'asus');**

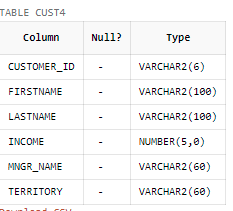
****

**20. Add attribute territory to cust4**

**ALTER TABLE cust4**

**ADD territory varchar(60) ;**

**desc cust4;**

****

**21. Drop table cust3 and then bring it back.**

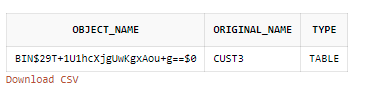
**drop table cust3;**

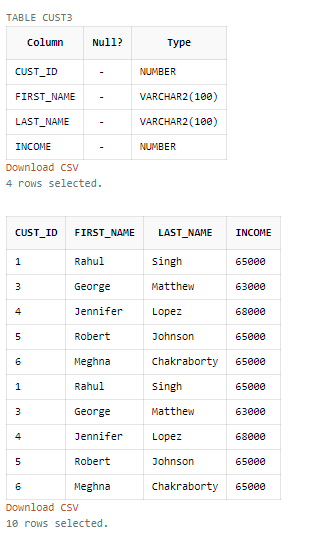
**select object\_name, original\_name, type from recyclebin;**

**flashback table cust3 to before drop;**

**desc cust3;**

**select \* from cust3;**

****

****

**22. Increase the size of the column custid by 5.**

**desc cust3;**

**CREATE TABLE CUST5 AS(SELECT \*FROM CUST3 WHERE 1=1);**

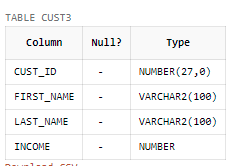
**DELETE FROM CUST3;**

**ALTER TABLE CUST3 MODIFY CUST\_ID NUMBER(27);**

**INSERT INTO CUST3 SELECT \*FROM CUST5 WHERE 1=1;**

**SELECT \*FROM CUST3;**

**desc cust3;**

****

**23. Suppose the customer with id no C63 has changed her last name & now it is just same as the customer**

**with id no C68.**

**24. Update customer set lname=(select lname from customer where cid=C63) where cid=C68.**

**UPDATE**

**customer**

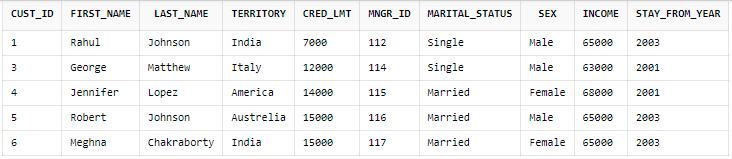
**SET**

**last\_name = (select last\_name from customer where cust\_id = 5)**

**WHERE**

**cust\_id = 1;**

**select \*from customer;**

****

**25. Display the records where territory=America & crd\_lmt=25000.**

**select \* from customer**

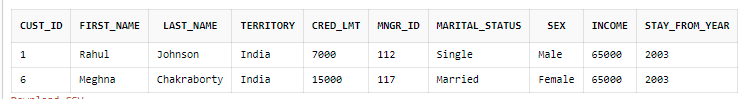
**where territory ='America' and cred\_lmt = 25000;**

****

**26. Display the records of all Indian customers whose income>20000.**

**select \* from customer**

**where territory ='India' and income>20000;**

****

**27. Display the name of the customer having crd\_lmt between 2000 and 7000.**

**select \* from customer**

**where cred\_lmt<7000 and cred\_lmt>2000;**

****

**28. Display the records of the customers having income 20000,24000,300,4500 using only one query.**

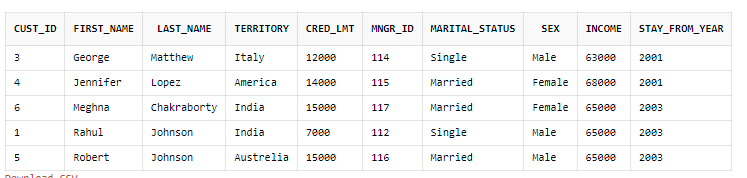
**select \* from customer**

**where income in (20000,24000,300,4500);**

****

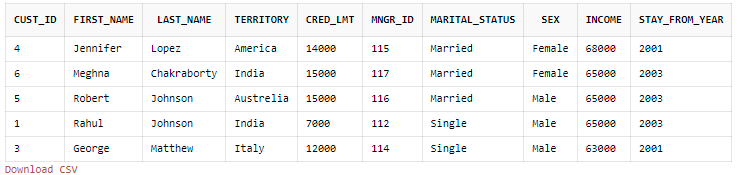
**29. Display the records in ascending order of first name**

**select \*from customer order by FIRST\_NAME asc;**

****

**30. Display the records in descending order of income.**

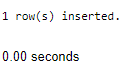
**select \*from customer order by income desc;**

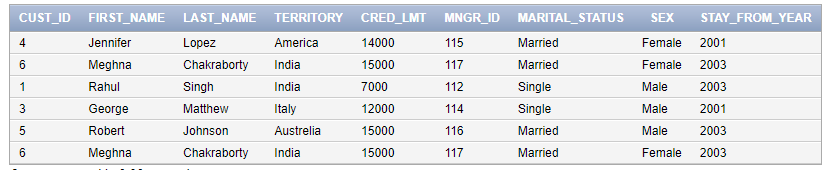
****

**31> Insert a duplicate record and display all the records.**

**insert into cust\_one select \*from cust\_one where cust\_id=6;**

**select \*from cust\_one;**





**32> Suppose your friend wants to select a name from the names of the customers. Show the different names of the student.**

**select distinct first\_name ||''|| last\_name as**

**full\_name from cust\_one;**

