WORKSHEET 1

Student Name: Vivek Kumar **UID:** 21BCS8129
DOMAIN CAMP: 16-01-2023 to 28-01-2023 **Section/Group:** DWWC-77
Subject Name: Database Management System

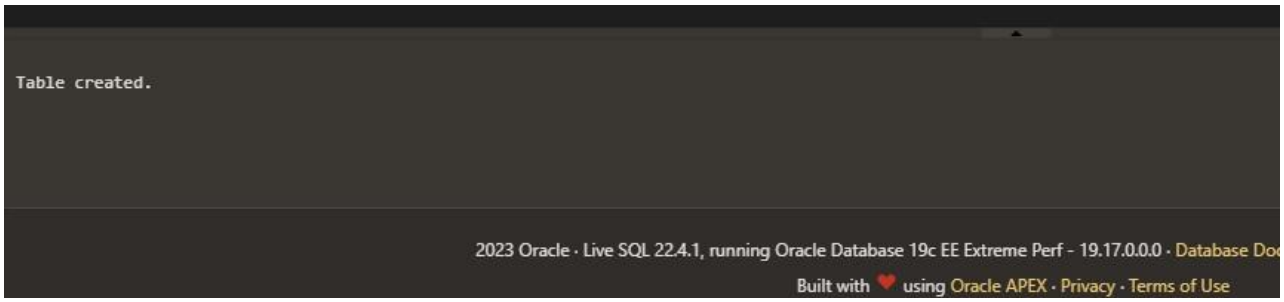
Question 1. Consider the following schema

ord_no	purch_amt	ord_date	customer_id	salesman_id
70001	150.5	2012-10-05	3005	5002
70009	270.65	2012-09-10	3001	5005
70002	65.26	2012-10-05	3002	5001
70004	110.5	2012-08-17	3009	5003
70007	948.5	2012-09-10	3005	5002
70005	2400.6	2012-07-27	3007	5001
70008	5760	2012-09-10	3002	5001
70010	1983.43	2012-10-10	3004	5006
70003	2480.4	2012-10-10	3009	5003
70012	250.45	2012-06-27	3008	5002
70011	75.29	2012-08-17	3003	5007
70013	3045.6	2012-04-25	3002	5001

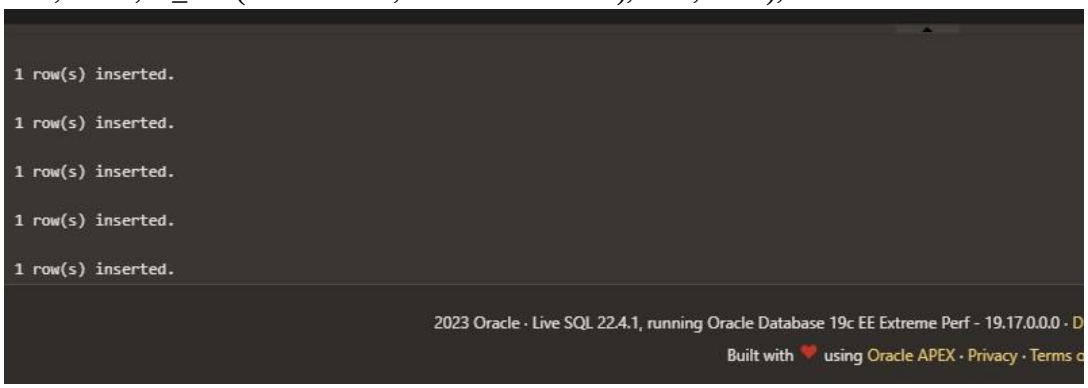
1. Create the table orders with columns order_no number type, purch_amt number(precision, scale), ord_date date, customer_id number and salesman_id number
2. Insert the values as given in the table
3. Add customer name, email address and contact_number columns in the given table
4. Add column gender in the table with single character value.
5. Update the values of newly added columns in the records.
6. Create another table orders_completed with ord_no, purch_amt, ord_date and customer name, email_address and contact number. Then copy the information of details from orders table where date is 10th October 2012.

Solution:

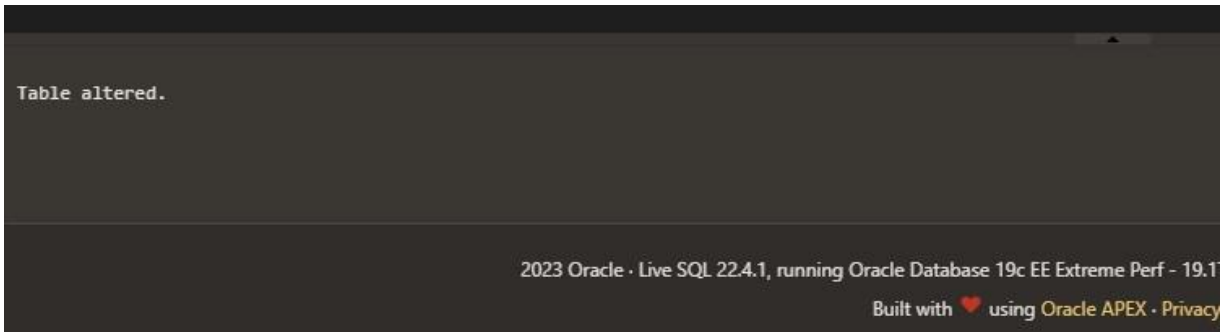
Create Table orders(order_no number, purch_amt number(6,2), order_date date, customer_id number, salesman_id number);



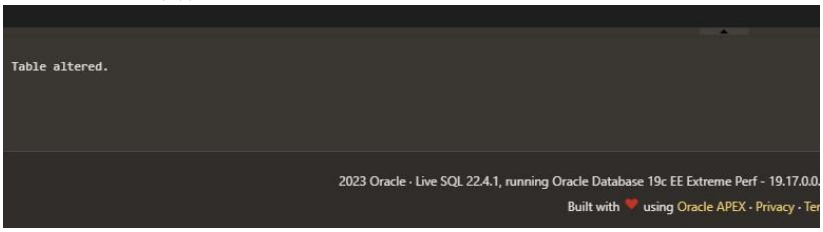
insert into orders values(70009, 270.65, to_date('10-09-2012', 'DD-MM-YYYY'),3001, 5005);
insert into orders values(70002, 65.26, to_date('05-10-2012', 'DD-MM-YYYY'),3002, 5001);
insert into orders values(70004, 110.5, to_date('17-08-2012', 'DD-MM-YYYY'),3009, 5003);
insert into orders values(70007, 948.5, to_date('10-09-2012', 'DD-MM-YYYY'),3005, 5002);
insert into orders values(70005, 2400.6, to_date('27-07-2012', 'DD-MM-YYYY'),3007, 5001);
insert into orders values(70008, 5760, to_date('10-09-2012', 'DD-MM-YYYY'),3002, 5001); insert into orders values(70010, 1983.43, to_date('10-10-2012', 'DD-MM-YYYY'),3004, 5006); insert into orders values(70003, 2480.4, to_date('10-10-2012', 'DD-MM-YYYY'),3009, 5003); insert into orders values(70012, 250.45, to_date('27-06-2012', 'DD-MM-YYYY'),3008, 5002); insert into orders values(70011, 75.29, to_date('17-08-2012', 'DD-MM-YYYY'),3003, 5007); insert into orders values(70013, 3045.6, to_date('25-04-2012', 'DD-MM-YYYY'),3002, 5001); insert into orders values(70001, 150.5, to_date('05-10-2012', 'DD-MM-YYYY'),3005, 5002);



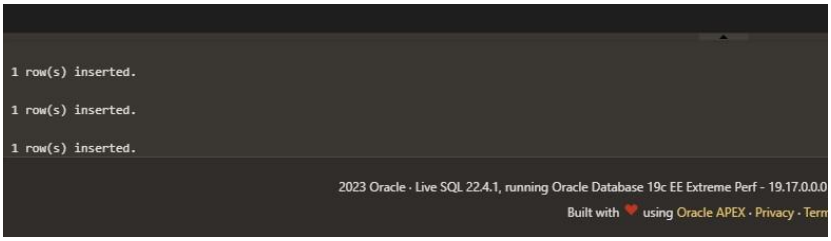
Alter Table orders add(customer_name Varchar(20), email_address varchar(50), contact_number number);



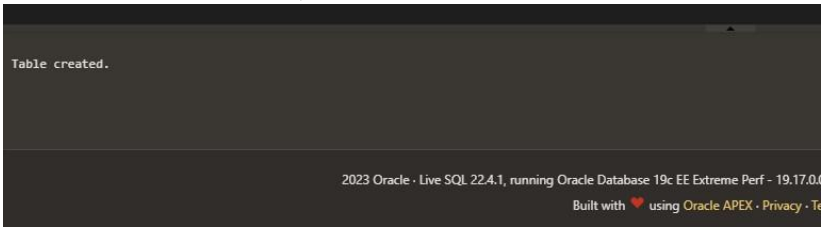
Alter Table orders add(gender character(1));



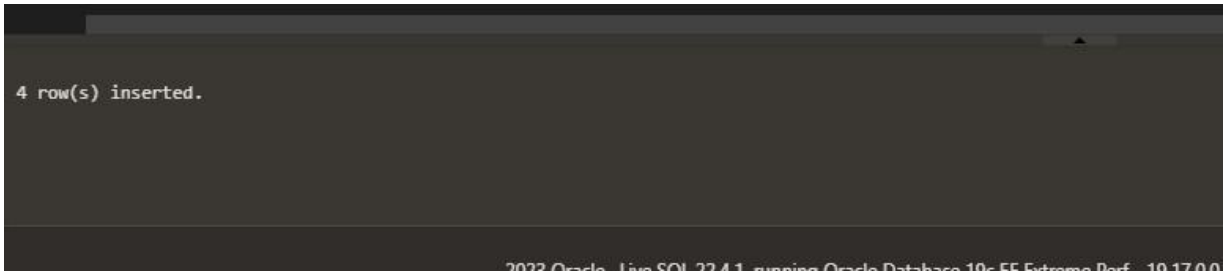
insert into orders values(70010, 1983.43, to_date('10-10-2012', 'DD-MM-YYYY'),3004, 5006, 'Sam', 'sam@cuchd.in', 87653, 'M');
insert into orders values(70003, 2480.4, to_date('10-10-2012', 'DD-MM-YYYY'),3009, 5003, 'Max', 'max@cuchd.in', 987521, 'M');
insert into orders values(70012, 250.45, to_date('27-06-2012', 'DD-MM-YYYY'),3008, 5002, 'Jannat Baweja', 'jannat.baweja@gmail.com', 98775, 'F');
insert into orders values(70011, 75.29, to_date('17-08-2012', 'DD-MM-YYYY'),3003, 5007, 'Ann', 'ann@cuchd.in', 134642, 'F');
insert into orders values(70013, 3045.6, to_date('25-04-2012', 'DD-MM-YYYY'),3002, 5001, 'Robin', 'robin@cuchd.in', 98436, 'M');



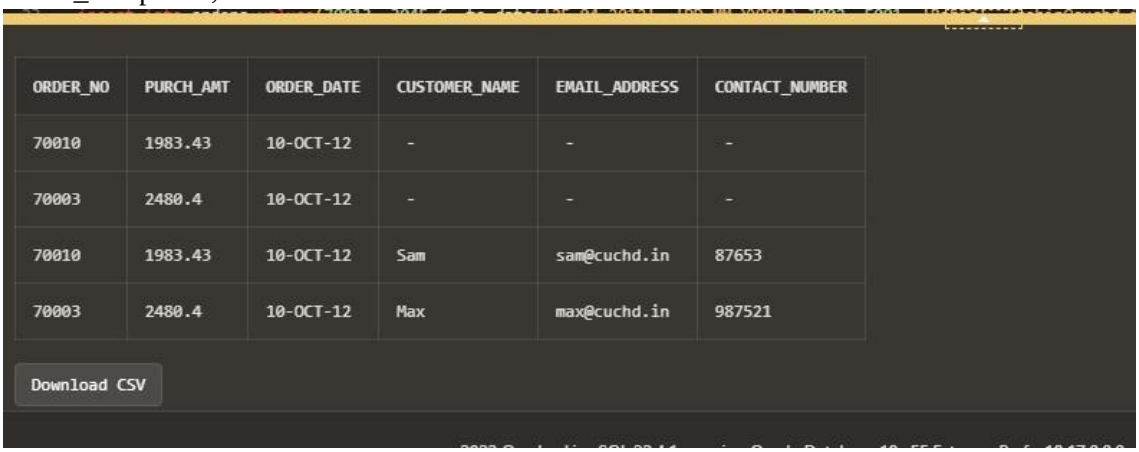
Create Table orders_completed(order_no number, purch_amt number(6,2), order_date date, customer_name Varchar(20), email_address varchar(50), contact_number number);



INSERT INTO orders_completed (order_no, purch_amt, order_date, customer_name, email_address, contact_number) SELECT order_no, purch_amt, order_date, customer_name, email_address, contact_number FROM orders WHERE order_date = date '2012-10-10';



select * from orders_completed;



ORDER_NO	PURCH_AMT	ORDER_DATE	CUSTOMER_NAME	EMAIL_ADDRESS	CONTACT_NUMBER
70010	1983.43	10-OCT-12	-	-	-
70003	2480.4	10-OCT-12	-	-	-
70010	1983.43	10-OCT-12	Sam	sam@cuchd.in	87653
70003	2480.4	10-OCT-12	Max	max@cuchd.in	987521

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Question2. Consider the following schema

ID	FNAME	LNAME	GENDER	SALARY	HIREDATE
1	Rajveer	Singh	M	30000	2017/11/05
2	Manveer	Singh	M	50000	2017/11/05
3	Ashutosh	Kumar	M	40000	2017/12/12
4	Ankita	Sharma	**F**	45000	2017/12/15
5	Vijay	Kumar	**M**	50000	2018/01/12
6	Dilip	Yadav	M	25000	2018/02/26

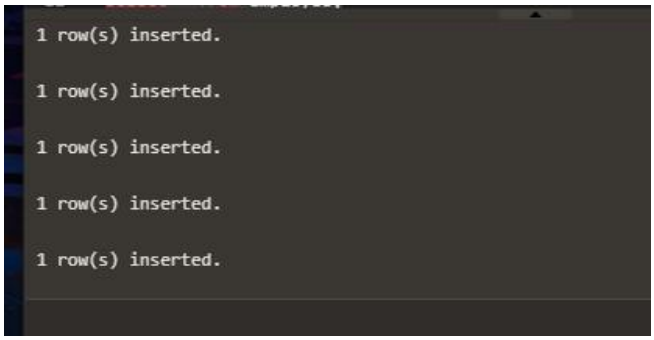
7	Jayvijay	Singh	M	30000	2018/02/18
8	Reenu	Kumari	F	40000	2017/09/19
9	Ankit	Verma	**M**	25000	2018/04/04
10	Harpreet	Singh	M	50000	2017/10/10

1. Create table Employee.
2. Insert the values as mentioned.
3. Add column Employee ID as identity column.
4. Modify the column salary to store floating point values.
5. Rename the attribute FNAME to Emp_name.
6. Drop column LNAME from the employee table.
7. Add column Department with default value as 'CSE'
8. Add an annual increment to the salary of employee whose joining date is 19th September 2017.
9. Modify the department value of DILIP and VIJAY to ME
10. Delete the employees belonging to ME department

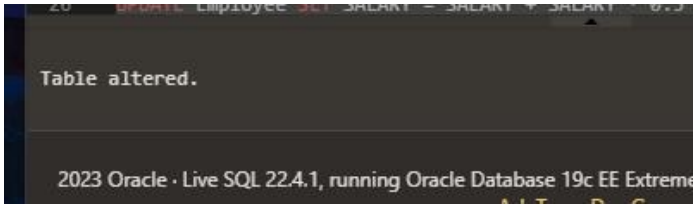
Solution:

CREATE TABLE Employee (ID INTEGER, FNAME VARCHAR(20), LNAME VARCHAR(20), GENDER CHAR(1), SALARY INTEGER, HIREDATE DATE);

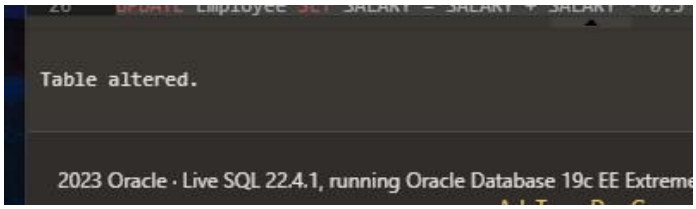
INSERT INTO Employee VALUES(1,'RAJVEER','SINGH','M',30000,DATE '2017-11- 05');
INSERT INTO Employee VALUES(2,'MANVEER','SINGH','M',50000,DATE '2017-11- 05');
INSERT INTO Employee VALUES(3,'ASHUTOSH','KUMAR','M',40000,DATE '2017-12- 12');
INSERT INTO Employee VALUES(4,'ANKITA','SHARMA','F',45000,DATE '2017-12- 15');
INSERT INTO Employee VALUES(5,'VIJAY','KUMAR','M',50000,DATE '2018-01-12');
INSERT INTO Employee VALUES(6,'DILIP','YADAV','M',25000,DATE '2018-02-26');
INSERT INTO Employee VALUES(7,'JAYVIJAY','SINGH','M',30000,DATE '2018-02- 18');
INSERT INTO Employee VALUES(8,'REENU','KUMARI','F',40000,DATE '2017-09-19');
INSERT INTO Employee VALUES(9,'ANKIT','VERMA','M',25000,DATE '2018-04-04'); INSERT INTO Employee VALUES(10,'HARPREET','SINGH','M',50000,DATE '2017-10- 10'); select * from Employee;



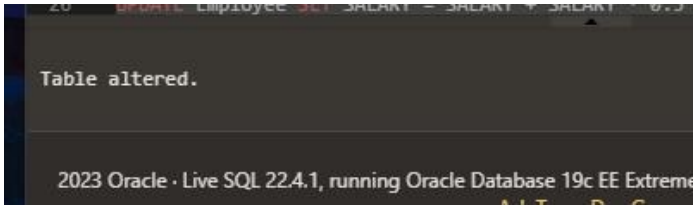
ALTER TABLE Employee ADD EMPLOYEE_ID INTEGER GENERATED BY DEFAULT ON NULL AS IDENTITY START WITH 1;



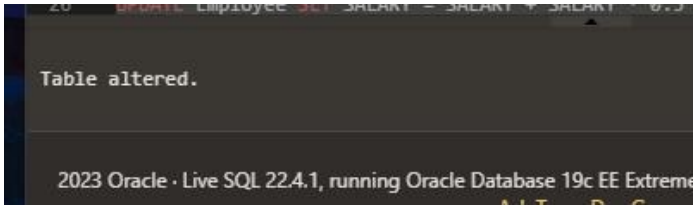
ALTER TABLE Employee MODIFY SALARY FLOAT;



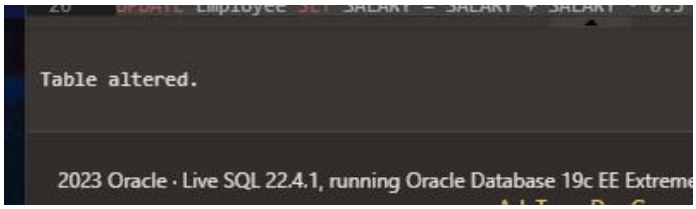
ALTER TABLE Employee RENAME COLUMN FNAME TO EMP_NAME;
select * from Employee;



ALTER TABLE Employee DROP COLUMN LNAME;



ALTER TABLE Employee ADD DEPARTMENT VARCHAR(20) DEFAULT('CSE');
select * from Employee;



UPDATE Employee SET SALARY = SALARY + SALARY * 0.5 WHERE HIREDATE = DATE '2017-09-19';

UPDATE Employee SET DEPARTMENT='ME' WHERE EMP_NAME='DILIP'; UPDATE Employee SET DEPARTMENT='ME' WHERE EMP_NAME='VIJAY';
select * from Employee;

ID	EMP_NAME	GENDER	SALARY	HIREDATE	EMPLOYEE_ID	DEPARTMENT
1	RAJVEER	M	30000	05-NOV-17	1	CSE
2	MANVEER	M	50000	05-NOV-17	2	CSE
3	ASHUTOSH	M	40000	12-DEC-17	3	CSE
4	ANKITA	F	45000	15-DEC-17	4	CSE
5	VIJAY	M	50000	12-JAN-18	5	ME
6	DILIP	M	25000	26-FEB-18	6	ME
7	JAYVIJAY	M	30000	18-FEB-18	7	CSE

DELETE FROM EMPLOYEE WHERE DEPARTMENT='ME';

Q3. Consider the table in question 2

1. Apply Truncate command

2. Apply Drop command

3. Apply Delete command to delete all records at once.

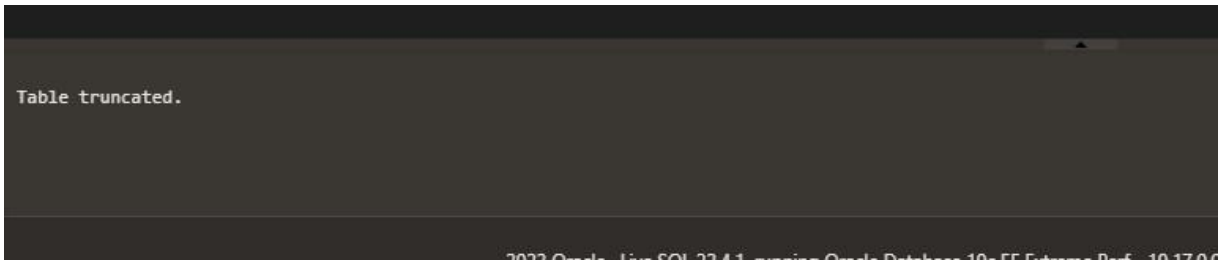
Analyze the difference.

Solution:

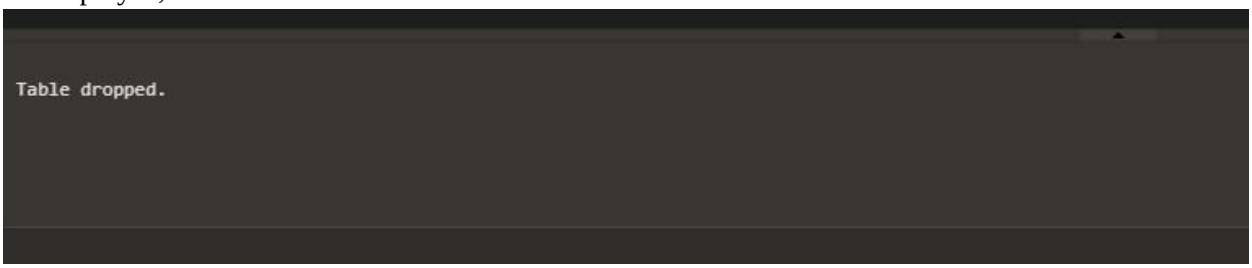
Create Table Employee(id number, Fname Varchar(20), Lname Varchar(20), Gender Character(1), salary number, hiredate date); insert into Employee values(1, 'Rajveer', 'Singh', 'M', 30000, to_date('05-11-2017', 'DD-MM-YYYY')); insert into Employee values(2, 'Manveer','Singh', 'M', 50000, to_date('05-11-2017', 'DD-MM-YYYY')); insert into Employee values(3, 'Ashutosh', 'Kumar', 'M', 40000, to_date('12-12-2017', 'DD-MM-YYYY')); insert into Employee values(4, 'Ankita','Sharma', 'F', 45000, to_date('15-12-2017', 'DD-MM-YYYY')); insert into Employee values(5, 'Vijay', 'Kumar', 'M', 50000, to_date('12-01-2018', 'DD-MM-YYYY')); insert into Employee values(6, 'Dilip', 'Yadav', 'M', 25000, to_date('26-02-2018', 'DD-MM-YYYY')); insert into Employee values(7, 'Jayvijay','Singh', 'M', 30000, to_date('18-02-2018', 'DD-MM-YYYY')); insert into Employee values(8, 'Reenu', 'Kumari', 'F', 40000, to_date('19-09-2017', 'DD-MM-YYYY')); insert into Employee values(9, 'Ankit', 'Verma', 'M', 25000, to_date('04-04-2018', 'DD-MM-YYYY')); insert into Employee values(10, 'Harpreet','Singh', 'M', 50000, to_date('10-10-2017', 'DD-MM-YYYY')); Select * from Employee;

ID	FNAME	LNAME	GENDER	SALARY	HIREDATE
1	Rajveer	Singh	M	30000	05-NOV-17
2	Manveer	Singh	M	50000	05-NOV-17
3	Ashutosh	Kumar	M	40000	12-DEC-17
4	Ankita	Sharma	F	45000	15-DEC-17
5	Vijay	Kumar	M	50000	12-JAN-18
6	Dilip	Yadav	M	25000	26-FEB-18
7	Jayvijay	Singh	M	30000	18-FEB-18
8	Reenu	Kumari	F	40000	19-SEP-17
9	Ankit	Verma	M	25000	04-APR-18
10	Harpreet	Singh	M	50000	10-OCT-17

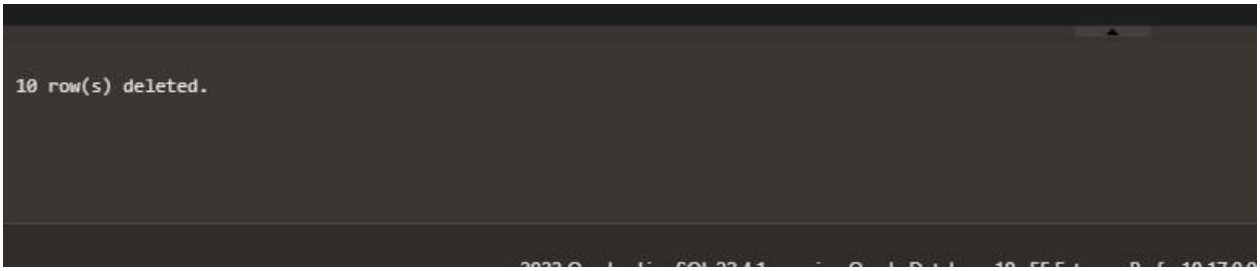
Truncate Table Employee;



Drop Table Employee;



Delete from Employee;



Q4. Consider the following schema

|CUST_CODE | CUST_NAME | CUST_CITY | WORKING_AREA | CUST_COUNTRY | GRADE | OPENING_AMT | RECEIVE_AMT | PAYMENT_AMT |OUTSTANDING_AMT| PHONE_NO | AGENT_CODE |

+----------+------------+------------+-------------+-------------+-------+------------+------------+------------+---------------+----------+------------+

| C00013 | Holmes | London | London | UK | 2 | 6000.00 | 5000.00 | 7000.00 | 4000.00 | BBBBBBB | A003 |

| C00001 | Micheal | New York | New York | USA | 2 | 3000.00 | 5000.00 | 2000.00 | 6000.00 | CCCCCCC | A008 |

| C00020 | Albert | New York | New York | USA | 3 | 5000.00 | 7000.00 | 6000.00 | 6000.00 | BBBBSBB | A008 |

| C00025 | Ravindran | Bangalore | Bangalore | India | 2 | 5000.00 | 7000.00 | 4000.00 | 8000.00 | AVAVAVA | A011 |

| C00024 | Cook | London | London | UK | 2 | 4000.00 | 9000.00 | 7000.00 | 6000.00 | FSDDSDF | A006 |

| C00015 | Stuart | London | London | UK | 1 | 6000.00 | 8000.00 | 3000.00 | 11000.00 | GFSGERS | A003 |

| C00002 | Bolt | New York | New York | USA | 3 | 5000.00 | 7000.00 | 9000.00 | 3000.00 | DDNRDRH | A008 |

| C00018 | Fleming | Brisban | Brisban | Australia | 2 | 7000.00 | 7000.00 | 9000.00 | 5000.00 | NHBGVFC | A005 |

| C00021 | Jacks | Brisban | Brisban | Australia | 1 | 7000.00 | 7000.00 | 7000.00 | 7000.00 | WERTGDF | A005 |

| C00019 | Yearannaidu | Chennai | Chennai | India | 1 | 8000.00 | 7000.00 | 7000.00 | 8000.00 | ZZZZBFV | A010 |

| C00005 | Sasikant | Mumbai | Mumbai | India | 1 | 7000.00 | 11000.00 | 70f00.00 | 11000.00 | 147-25896312 | A002 |

| C00007 | Ramanathan | Chennai | Chennai | India | 1 | 7000.00 | 11000.00 | 9000.00 | 9000.00 | GHRDWSD | A010 |

| C00022 | Avinash | Mumbai | Mumbai | India | 2 | 7000.00 | 11000.00 | 9000.00 | 9000.00 | 113-12345678 | A002 |

| C00004 | Winston | Brisban | Brisban | Australia | 1 | 5000.00 | 8000.00 | 7000.00 | 6000.00 | AAAAAAA | A005 |

| C00023 | Karl | London | London | UK | 0 | 4000.00 | 6000.00 | 7000.00 | 3000.00 | AAAABAA | A006 |

| C00006 | Shilton | Torento | Torento | Canada | 1 | 10000.00 | 7000.00 | 6000.00 | 11000.00 | DDDDDDD | A004 |

| C00010 | Charles | Hampshair | Hampshair | UK | 3 | 6000.00 | 4000.00 | 5000.00 | 5000.00 | MMMMMMM | A009 |

| C00017 | Srinivas | Bangalore | Bangalore | India | 2 | 8000.00 | 4000.00 | 3000.00 | 9000.00 | AAAAAAB | A007 |

| C00012 | Steven | San Jose | San Jose | USA | 1 | 5000.00 | 7000.00 | 9000.00 | 3000.00 | KRFYGJK | A012 |

| C00008 | Karolina | Torento | Torento | Canada | 1 | 7000.00 | 7000.00 | 9000.00 | 5000.00 | HJKORED | A004 |

| C00003 | Martin | Torento | Torento | Canada | 2 | 8000.00 | 7000.00 | 7000.00 | 8000.00 | MJYURFD | A004 |

| C00009 | Ramesh | Mumbai | Mumbai | India | 3 | 8000.00 | 7000.00 | 3000.00 | 12000.00 | Phone No | A002 |

| C00014 | Rangarappa | Bangalore | Bangalore | India | 2 | 8000.00 | 11000.00 | 7000.00 | 12000.00 | AAAATGF | A001 |
| C00016 | Venkatpati | Bangalore | Bangalore | India | 2 | 8000.00 | 11000.00 | 7000.00 | 12000.00 | JRTVFDD | A007 |

| C00011 | Sundariya | Chennai | Chennai | India | 3 | 7000.00 | 11000.00 | 7000.00 | 11000.00 | PPHGRTS | A010 |

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Create the table Customer_details with following columns

CUST_CODE
CUST_NAME
CUST_CITY
WORKING_AREA
CUST_COUNTRY
GRADE
OPENING_AMT
RECEIVE_AMT
PAYMENT_AMT
OUTSTANDING_AMT
PHONE_NO
AGENT_CODE

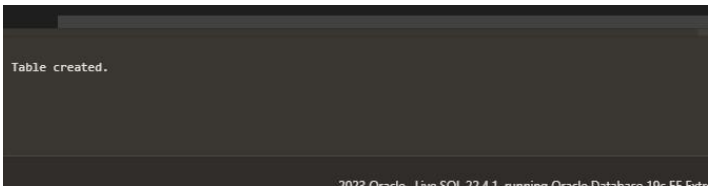
Insert the values as shown in the table

Perform following operations on the above table

1. Modify phone number column to number data type.
2. Update the values of all records corresponding to newly added columns.
3. Add Gender column in single char value.
4. Add order_time column of timestamp type.
5. Update the outstanding amount to 0 for all customers from India.
6. View all the Britishers whose outstanding amount is greater than 7000.
7. Add column feedback with clob data type.
8. Remove all customers with grade 2.

Solution:

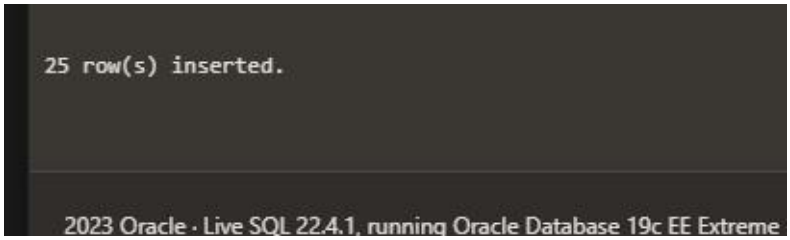
Create TABLE customer_details (CUST_CODE varchar(15), CUST_NAME varchar(50), CUST_CITY varchar(50), WORKING_AREA varchar(50), CUST_COUNTRY varchar(50), GRADE NUMBER, OPENING_AMT float, RECEIVE_AMT float, PAYMENT_AMT float, OUTSTANDING_AMT float, PHONE_NO varchar(20), AGENT_CODE varchar(10));



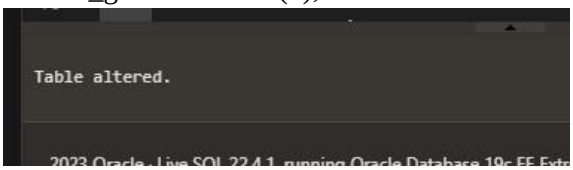
select * from customer_details;

```
INSERT ALL
  INTO customer_details VALUES
('C00013','Holmes','London','London','UK',2,6000.00,5000.00,7000.00,4000.00,'BBBBBBB','A003')
  INTO customer_details VALUES ('C00001','Micheal','New York','New
York','USA',2,3000.00,5000.00,2000.00,6000.00,'CCCCCCC','A008')
  INTO customer_details VALUES ('C00020','Albert','New York','New
York','USA',3,5000.00,7000.00,6000.00,6000.00,'BBBBSBB','A008')
  INTO customer_details VALUES
('C00025','Ravindran','Bangalore','Bangalore','India',2,5000.00,7000.00,4000.00,8000.00,'AVAVAVA','A011')
INTO customer_details VALUES
('C00024','Cook','London','London','UK',2,4000.00,9000.00,7000.00,6000.00,'FSDDSDF','A006')
INTO customer_details VALUES
('C00015','Stuart','London','London','UK',1,6000.00,8000.00,3000.00,11000.00,'GFSGERS','A003')
  INTO customer_details VALUES ('C00002','Bolt','New York','New
York','USA',3,5000.00,7000.00,9000.00,3000.00,'DDNRDRH','A008')
  INTO customer_details VALUES
('C00018','Fleming','Brisban','Brisban','Australia',2,7000.00,7000.00,9000.00,5000.00,'NHBGVFC','A005')
INTO customer_details VALUES
('C00021','Jacks','Brisban','Brisban','Australia',1,7000.00,7000.00,7000.00,7000.00,'WERTGDF','A005')
  INTO customer_details VALUES ('C00019
','Yearannaidu','Chennai','Chennai','India',1,8000.00,7000.00,7000.00,8000.00,'ZZZZBFV','A010')
INTO customer_details VALUES
('C00005','Sasikant','Mumbai','Mumbai','India',1,7000.00,11000.00,7000.00,11000.00,'147-25896312','A002')
INTO customer_details VALUES
('C00007','Ramanathan','Chennai','Chennai','India',1,7000.00,11000.00,9000.00,9000.00,'GHRDWSD','A010')
  INTO customer_details VALUES ('C00022','Avinash','Mumbai','Mumbai','India',2,7000.00,11000.00,9000.00,9000.00,'
113-12345678','A002')
  INTO customer_details VALUES
('C00004','Winston','Brisban','Brisban','Australia',1,5000.00,8000.00,7000.00,6000.00,'AAAAAAA','A005')
INTO customer_details VALUES
```

('C00023','Karl','London','London','UK',0,4000.00,6000.00,7000.00,3000.00,'AAAABAA','A006')
INTO customer_details VALUES
('C00006','Shilton','Torento','Torento','Canada',1,10000.00,7000.00,6000.00,11000.00,'DDDDDDD','A004')
INTO customer_details VALUES
('C00010','Charles','Hampshair','Hampshair','UK',3,6000.00,4000.00,5000.00,5000.00,'MMMMMMM','A009')
INTO customer_details VALUES
('C00017','Srinivas','Bangalore','Bangalore','India',2,8000.00,4000.00,3000.00,9000.00,'AAAAAAB','A007')
INTO customer_details VALUES ('C00012','Steven','San Jose','San
Jose','USA',1,5000.00,7000.00,9000.00,3000.00,'KRFYGJK','A012')
INTO customer_details VALUES
('C00008','Karolina','Torento','Torento','Canada',1,7000.00,7000.00,9000.00,5000.00,'HJKORED','A004')
INTO customer_details VALUES
('C00003','Martin','Torento','Torento','Canada',2,8000.00,7000.00,7000.00,8000.00,'MJYURFD','A004')
INTO customer_details VALUES ('C00009','Ramesh','Mumbai','Mumbai','India',3,8000.00,7000.00,3000.00,12000.00,'
113-1263343','A002')
INTO customer_details VALUES
('C00014','Rangarappa','Bangalore','Bangalore','India',2,8000.00,11000.00,7000.00,12000.00,' AAAATGF','A001') INTO
customer_details VALUES
('C00016','Venkatpati','Bangalore','Bangalore','India',2,8000.00,11000.00,7000.00,12000.00,' JRTVFDD','A007')
INTO customer_details VALUES
('C00011','Sundariya','Chennai','Chennai','India',3,8000.00,11000.00,7000.00,11000.00,' PPHGRTS','A010') select
* from dual;



ALTER TABLE customer_details ADD cust_gender varchar(1);



update customer_details SET cust_gender='M'; select
* from customer_details order by cust_code;

25 row(s) updated.

CUST_CODE	CUST_NAME	CUST_CITY	WORKING_AREA	CUST_COUNTRY	GRADE	OPENING_AMT	RECEIVE_AMT	PAYMENT_AMT	OUTSTANDING_AMT	PHONE_NO	AGENT_CODE	CUST_GENDER
C00001	Micheal	New York	New York	USA	2	3000	5000	2000	6000	CCCCCCC	A008	M
C00002	Bolt	New York	New York	USA	3	5000	7000	9000	3000	DDNRDRH	A008	M
C00003	Martin	Torento	Torento	Canada	2	8000	7000	7000	8000	MJYURFD	A004	M
C00004	Winston	Brisban	Brisban	Australia	1	5000	8000	7000	6000	AAAAAAA	A005	M
C00005	Sasikant	Mumbai	Mumbai	India	1	7000	11000	7000	11000	147-25896312	A002	M
C00006	Shilton	Torento	Torento	Canada	1	10000	7000	6000	11000	DDDDDDD	A004	M
C00007	Ramanathan	Chennai	Chennai	India	1	7000	11000	9000	9000	GHRDWSD	A010	M
C00008	Karolina	Torento	Torento	Canada	1	7000	7000	9000	5000	HJKORED	A004	M

ALTER TABLE customer_details ADD order_time TIMESTAMP; select DBTIMEZONE from dual;

Table altered.

DBTIMEZONE
+00:00

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update customer_details SET outstanding_amt=0 where cust_country ='India';

10 row(s) updated.

select * from customer_details where cust_country='UK' AND outstanding_amt>7000 order by cust_code;

CUST_CODE	CUST_NAME	CUST_CITY	WORKING_AREA	CUST_COUNTRY	GRADE	OPENING_AMT	RECEIVE_AMT	PAYMENT_AMT	OUTSTANDING_AMT	PHONE_NO	AGENT_CODE	CUST_GENDER	ORDER_TIME
C00015	Stuart	London	London	UK	1	6000	8000	3000	11000	GFSGERS	A003	M	-

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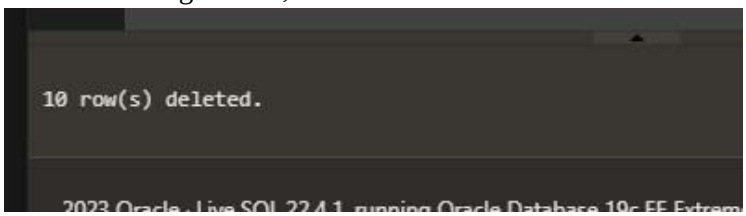
ALTER TABLE customer_details ADD feedback CLOB; update customer_details SET feedback='Large text space'; select * from customer_details order by cust_code

25 row(s) updated.

CUST_CODE	CUST_NAME	CUST_CITY	WORKING_AREA	CUST_COUNTRY	GRADE	OPENING_AMT	RECEIVE_AMT	PAYMENT_AMT	OUTSTANDING_AMT	PHONE_NO	AGENT_CODE	CUST_GENDER	ORDER_TIME	FEEDBACK
C00001	Micheal	New York	New York	USA	2	3000	5000	2000	6000	CCCCCCC	A008	M	-	Large text space
C00002	Bolt	New York	New York	USA	3	5000	7000	9000	3000	DDNRDRH	A008	M	-	Large text space
C00003	Martin	Torento	Torento	Canada	2	8000	7000	7000	8000	MJYURFD	A004	M	-	Large text space
C00004	Winston	Brisban	Brisban	Australia	1	5000	8000	7000	6000	AAAAAAA	A005	M	-	Large text space
C00005	Sasikant	Mumbai	Mumbai	India	1	7000	11000	7000	0	147-25896312	A002	M	-	Large text space
C00006	Shilton	Torento	Torento	Canada	1	10000	7000	6000	11000	DDDDDDD	A004	M	-	Large text space
C00007	Ramanathan	Chennai	Chennai	India	1	7000	11000	9000	0	GHRDWSD	A010	M	-	Large text space
C00008	Karolina	Torento	Torento	Canada	1	7000	7000	9000	5000	HJKORED	A004	M	-	Large text space
C00009	Ramesh	Mumbai	Mumbai	India	3	8000	7000	3000	0	113-1263343	A002	M	-	Large text space
C00010	Charles	Hampshair	Hampshair	UK	3	6000	4000	5000	5000	MMMMMM	A009	M	-	Large text space

DELETE FROM customer_details WHERE grade =2;



Question5. Create table EMP with the following description :

Name Type
EMPNO NOT NULL NUMBER(4)
ENAME VARCHAR2(10)
JOB VARCHAR2(9)
MGR NUMBER(4)
HIREDATE DATE
SAL NUMBER(7,2)
COMM NUMBER(7,2)
DEPTNO NUMBER(3)
AGE NUMBER(3)

1. Insert 5 records as shown in table below-

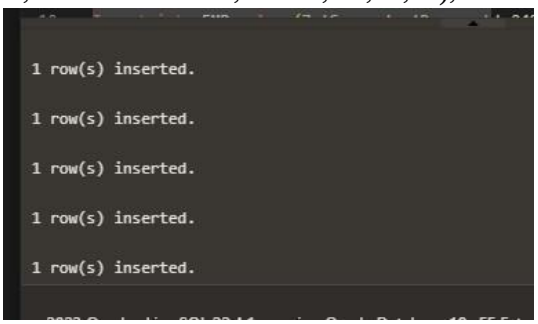
EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	AGE
1	karan	HR	1567	01-DEC-17	50000	1	33	34
2	Varun	Analyst	2983	05-JAN-18	25000.5	5	25	27
3	Ajay	Research	4253	20-APR-19	20000	6	23	33
4	Ashish	Trainer	1103	30-JUN-15	40000	8	28	40
5	Adarsh	Executive	6140	15-SEP-20	10000	11	30	26

2. List all employee names , salary , 15% rise as 'Raise' and Rised amount after 15% as Raised_Amount in salary.
3.. Insert the following record in employee table-
(6,' ', HR,2345,12-12-2020, 45000,40,20,32)
(7,George, Research,,2480,01-01-2018, 55000,' ',25,42)
4. List ename, job where employee name is NULL 5.List ename whose manager is not NULL.
6. Find no.of dept in employee table.
7. List ename whose commission is NULL.
8. Display ename of the dept. with deptno 30.

Solution:

create table EMP (EMPNO number(4) NOT NULL, ENAME varchar2(10), JOB varchar2(9), MGR number(4), HIREDATE date, SAL number(7,2), COMM number(7,2), DEPTNO number(3), AGE number(3));

insert into EMP values (1,'karan','HR',1567,date '2017-12-1', 50000, 1,33,34); insert into EMP values (2,'Varun','Analyst',2983,date '2018-1-5', 25000.5,5,25,27); insert into EMP values (3,'Ajay','Research',4253,date '2019-4-20', 20000, 6,23,33); insert into EMP values (4,'Ashish','Trainer',1103,date '2015-06-30', 40000, 8,28,40); insert into EMP values (5,'Adarsh','Executive',6140,date '2020-09-15', 10000, 11,30,26);



select ENAME, SAL, (SAL*.15) as Raise from EMP;
select ENAME, SAL,SAL*.15 as Raise, SAL+(SAL*.15) as Raised_Amount from EMP;

ENAME	SAL	RAISE
karan	50000	7500
Varun	25000.5	3750.075
Ajay	20000	3000
Ashish	40000	6000
Adarsh	10000	1500

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5 rows selected.

ENAME	SAL	RAISE	RAISED_AMOUNT
karan	50000	7500	57500
Varun	25000.5	3750.075	28750.575
Ajay	20000	3000	23000
Ashish	40000	6000	46000
Adarsh	10000	1500	11500

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5 rows selected.

Insert into EMP values(6,NULL,'HR',2345,date '2020-12-12', 45000,40,20,32);
Insert into EMP values(7,'George', 'Research',2480,date '2018-01-01',55000,NULL,25,42);

```
1 row(s) inserted.

1 row(s) inserted.
```

select ENAME,JOB from EMP where ENAME is NULL;

ENAME	JOB
-	HR

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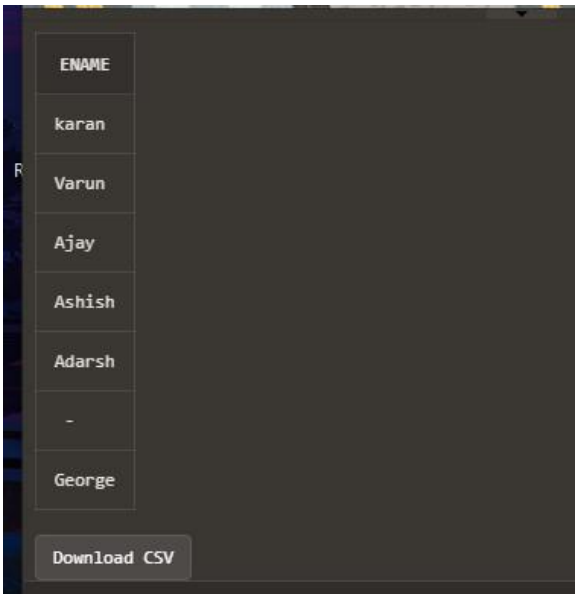
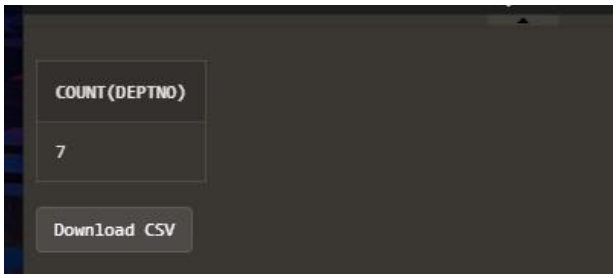
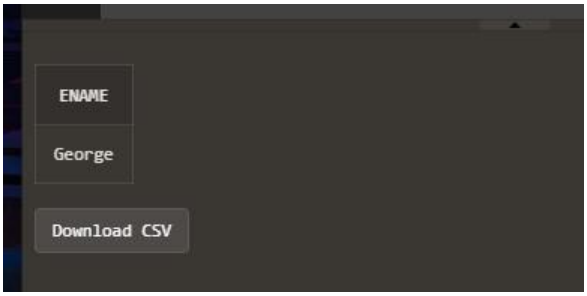
select ENAME from EMP where MGR is NOT NULL;



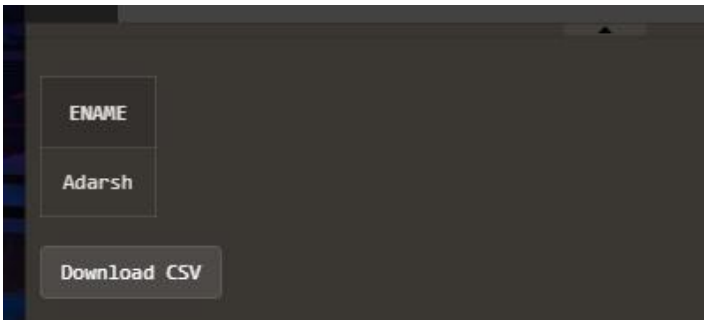
select count(DEPTNO) from EMP;



select ENAME from EMP where COMM is NULL;



select ENAME from EMP where DEPTNO = 30;


ENAME
Adarsh
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