18CSC303J – Database Management System Experiment 2

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1. Create a table employee and list the names of analyst and salesman.

create table EMP49 ("Emp_No" number(6), "Ename" varchar2(20), "DOJ" date, "Dept" varchar2(10), "Dept_No" number(2), "Designation" varchar2(20), "Commission" varchar2(20), "Sal" number(7));

desc EMP49

Column	Null?	Type	
Emp_No	3.00	NUMBER(6,0)	
Ename	- 70	VARCHAR2(20)	
DOJ	121	DATE	
Dept	125	VARCHAR2(10)	
Dept_No		NUMBER(2,0)	
Designation	1.41	VARCHAR2(20)	
Commision	17 - 0	VARCHAR2(20)	
Sal	-	NUMBER(7,0)	

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2. List the details of employees who joined on. 30 sep 81.(Select * from table tablename where date = ")

INSERT INTO EMP49 ("Emp_No", "Ename", "DOJ", "Dept", "Dept_No", "Designation", "Commision", "Sal")

WITH input AS (

SELECT 7369, 'Shushrut' , DATE '1981-09-30' , 'Sales', 10 , 'Salesman' , 'TRUE' , 950 FROM dual UNION ALL

SELECT 7839, 'Viren' , DATE '1985-09-20' , 'Sales', 30 , 'Salesman' , 'TRUE' , $900\,$ FROM dual UNION ALL

SELECT 7521, 'Vidhi', DATE '1983-10-30' , 'IT' $\,$, 20 , 'Analyst' , 'FALSE' , 1000 FROM dual UNION ALL

SELECT 7934, 'Sachin' , DATE '1989-05-15' , 'None' , 40 , 'Manager' , 'FALSE' , 1100 FROM dual UNION ALL

SELECT 7788, 'Param', DATE '1990-01-30' , 'IT' $\,$, 50 , 'Analyst' , 'TRUE' $\,$, 1150 FROM dual

) SELECT * FROM input;

SELECT * FROM EMP49;

5 row(s) inserted.

Emp_No	Ename	DOJ	Dept	Dept_No	Designation	Commision	Sal
7369	Shushrut	30-SEP-81	Sales	10	Salesman	TRUE	950
7839	Viren	20-SEP-85	Sales	30	Salesman	TRUE	900
7521	Vidhi	30-OCT-83	IT	20	Analyst	FALSE	1000
7934	Sachin	15-MAY-89	None	40	Manager	FALSE	1100
7788	Param	30-JAN-90	IT	50	Analyst	TRUE	1150

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5 rows selected.

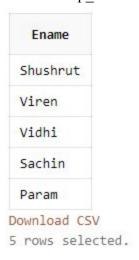
3. List the name of the employees who are not managers.

SELECT "Ename" FROM EMP49 WHERE "Designation" != 'Manager';



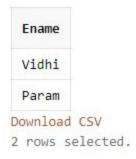
4. List the name of the employees whose employee numbers are 7369,7521,7839,7934,7788

SELECT "Ename" FROM EMP49 WHERE "Emp_No" IN (7369,7521,7839,7934,7788);



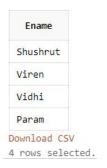
5. List employees not belonging to dept 30,40 or 10

SELECT "Ename" FROM EMP49 WHERE "Dept_No" NOT IN (30, 40, 10);



6. List the different designation in the company.

SELECT "Ename" FROM EMP49 WHERE "Designation" IN ('Salesman', 'Analyst');



7. List the names of the employees who are not eligible for commission.

SELECT "Ename" FROM EMP49 WHERE "Commission" = 'FALSE';



8. List the employee not assigned to any department.

SELECT "Ename" FROM EMP49 WHERE "Dept" = 'None';



9. List the employee who are eligible for commision.

SELECT "Ename" FROM EMP49 WHERE "Commission" = 'TRUE';



10. List the no of employee working with the company.

SELECT COUNT("Ename") FROM EMP49;



11. Add a column experience to the emp table.

ALTER TABLE EMP49 ADD ("Experience" number(2)); desc EMP49

Column	Null?	Type	
Emp_No	3527	NUMBER(6,0)	
Ename	02	VARCHAR2(20)	
DOJ	-	DATE	
Dept		VARCHAR2(10)	
Dept_No	85	NUMBER(2,0)	
Designation	100	VARCHAR2(20)	
Commision	1.7	VARCHAR2(20)	
Sal	_	NUMBER(7,0)	
Experience	8529	NUMBER(2,0)	

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9 rows selected.

ALTER TABLE EMP49 DROP COLUMN "Experience"; desc EMP49

Column	Null?	Туре	
Emp_No	-	NUMBER(6,0)	
Ename	5	VARCHAR2(20)	
DOJ	20	DATE	
Dept	2	VARCHAR2(10)	
Dept_No	2	NUMBER(2,0)	
Designation	-	VARCHAR2(20)	
Commision	=	VARCHAR2(20)	
Sal	-	NUMBER(7,0)	

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8 rows selected.

13. Update the dept no to 1 whose salary is equal to 950.

UPDATE EMP49 SET "Dept_No" = 1 WHERE "Sal" = 950; select * from EMP49;

1 row(s) updated.

Emp_No	Ename	DOJ	Dept	Dept_No	Designation	Commision	Sal
7369	Shushrut	30-SEP-81	Sales	1	Salesman	TRUE	950
7839	Viren	20-SEP-85	Sales	30	Salesman	TRUE	900
7521	Vidhi	30-0CT-83	IT	20	Analyst	FALSE	1000
7934	Sachin	15-MAY-89	None	40	Manager	FALSE	1100
7788	Param	30-JAN-90	IT	50	Analyst	TRUE	1150

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5 rows selected.

14. Truncate the emp table and drop the dept table

truncate table EMP49 drop table EMP49;

Table truncated.

Table dropped.