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**DEPARTMENT OF** 

: CSE

NAME OF THE LABORATORY : DBMS

Name K.S.I.SIVANI Roll No. - 052

Page No.

PROGRAMS-5

Joining tables EMP, DEPT and SALGRADE and performing operations using SQL queries:

TABLE:

DEPTNO DNAME LOC IC ACCOUNTING NEWYORK 20 RESEARCH DALLAS 30 SALES CHICAGO

40 OPERATIONS BOSTON

SAL GRADE TABLE:

0

GRADE	LOSAL	HISAL
	700	1200
2	1201	1400
3	1401	2,000
4	2001	3000
5	300t	9999

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		(Affiliated to Osman Hyderabad - 50 DEPARTMENT OF			
	Name K'S'T'SI	VAN) Roll No	ry : <u>DBM</u> )52	1S Page No	48
3	) List emplo	byee names and d		nes with w	which
	they are	associated.			
)	select eno	me, drame from	emp	natural jo	in .
	dept;				
	ENAME	DNAME			
	Smith	Research			
	Allen	Sales			
	Ward	Sales			
	Jones	Research			
	Martin	Sales			
	Blake	Sales			
	Clark	Accounting			
	Scott	Research			
	King	Accounting			
	Twiney	Sales			
	Adams	Research			
	James	Sales			
	Ford	Research			
	Miller	Accounting.			

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DEPARTMENT	OF		CSE	
		٠.	<u>we</u>	

	SEPARIMENT OF : CSE
	Name K'S'T'SWANI
)	Name K'S'T'SIVANI Roll No052 Page No. 49
>	Select ename, sal, asade le
PORTOGRAPHICAL PROPERTY OF THE PERSON NAMED IN COLUMN NAMED IN	Where sal between losal and hisal;
ı	this war

		J	losal and I
	ENAME	SAL	GRADE
- (	amith .	800	
7	James Adams Navid	950 1100 1250	1 2
1	1autin 1iller	1250	2
I	winey then	15 00	3
	lank	16 00 24.50	3
B	lake	2850	4
B	ones.	2975	4
Fo	ord	3000 3000	4
K	ing	5000	4

5

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DEPARTMENT	OF	:	CSE

			DEPARTMENT		: <u>CS</u>	E_		
	Namo	V. C. –	NAME OF TH	E LABORA	ATORY : DE	3MS	- M-	50
3)			SIVANI				Page No	
9			yee nam	e, dept	ename	ale	ng with	grade c.
	ENA	ME 	DNAME		GRADE	-		
	Kin	9	Account	ing	5			
	For	d	Research	h	4			
0	Sco	tt	Reseau		4			
	Jon	es	Resease	ch	4			
	Bla	ke	Sales		4			
	cla		Accoun	ting	4			
	Alle	$\cap$	Sales	V	3			
	Twee	101	Sale.		3			
	Mil		Accou		2			:
	Was		Sales		2			
	Mas		sales		2			
		ams	Resea		,			
	Jam	es	Sales		1			
			Sales Resea		1			
4)	List	t emp	loyee na	mes (	and the	ΰι r	nanage	1 names
$\rightarrow$			name, e: where e				nom em	pel,
	Mar all							

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		DEPARTMENT OF : CSE	
	Name K.S.T.	NAME OF THE LABORATORY : DBMS	
	ENAME		
		MANAGER	
	Ford	Jones	
	Scott	Jones.	
	James	Blake	
0	Twiney	Blake	
•	Martin	Blake	
	Ward	Blake	*
	Allen	Blake	
	Miller	Clark.	
	Adams	Scott	
	Clark	King	
	Blake	King	
	Jones	King	
	Smith	Ford.	
5)	List depta	name and manager name.	
	ENAME	JOB DNAME	
	Clark	Manager Accounting	
	Jones	Manager Research	
	Blake	Manager Sales.	
1 0 0		V	

# VASAVI COLLEGE OF ENGINEERING (Autonomous) (Affiliated to Osmania University)

	DEPARTMENT OF : CSE
1	NAME OF THE LABORATORY : DBMS  Name K.S.T.SIVANI Roll No052 Page No. 52
6)	List managers of various depts, along with
	J'acc soited on grade.
)	Select ename, deptno, grade from emp, Salgrade where job = MANAGER and sal between losal and
	hisal order by grade;
	ENAME DEPTNO GRADE
	Jones 20 4
	Clark 10 4
	Blake 30
7)	List employees having commission along with grade.
0	ENAME COMM GRADE  Allen 300 3
	select ename, comm, grade from emp,
	salgrade where sal between losal and hisal
	and comm is not null;

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DEDA	A cho w to be	NT OF
UCPA		
	4 4 6 6 6 6 5 5 5 5	

: CSE

N	NAME OF	THE LABORA	TORY	: DBMS	
Name K.S.I.	SIVANII	D-11 At-	-053		52

	MANI NOS. I. SIVANI	Rol	II No052	Page No53	
	ENAME	COMM	GRADE		
-	Allen	300	3		
	Twiner	0	3		
A CONTRACTOR OF THE PERSON NAMED IN	Martin	1400	2		
THE RESIDENCE OF THE PERSONS ASSESSMENT OF T	Ward	500	2		
	List employee r	names 1	with job mar	rager alon	9

List employee names with j'ob manager along with their manager names to whom they have to report:

Select el.name, el.job, ez.name manager from emp e1, emp e2 where el.mgr = ez.empno and e1.job = 'MANAGER';

ENAME	JOB	MANAGER
Clasik	Manager	King
Blake	Manager	King
Jones	Manager	King.

List names of employees who are working in the same dept of their manager.

empe1, empez Where Elingr=eziempno and

e1. deptno = e2. deptno;

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W Call and Ball	RTMENT	-
Description of the second	R S S S S S S S S S S S S S S S S S S S	
	to a a salamit A d	

CSE

		THE LABORATORY:	DBM3	
Name	K. S. T. CDIANI	050	Rose No. 5	4

W 2.1.8	IVANI	Roll No. <u>—052</u> _	Р	age No	
ENAME	DEPTNO	ENAME	DEPTN	0_	
Ford	20	Jones	20		
Scott	20	Jones	20		
James	30	Blake	30		
Twiney	30	Blake	30		
Martin	30	Blake	30		
Wand	30	Blake	30		
Allen	30	Blake	30	٠	
Miller	10	Clark	10		
Adams	20	Scott	20		
Clark	10	King	10		-
Smith	20	Ford	20		

in the same dept of their manager:

Select eliename, elideplno. eliename, elidept no from

emp el, emp el where elimgr= elienpno and

elidept no! = elidept no;

ENAME	DEPTNO	ENAME	DEPTNO
Blake	30	King	10
Tones	20	King King	10

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	DEPARTMENT OF : CSE
. (	Name K:S:T:SIVANI Roll No052 Page No55
1)	List names of employees having first character
	in their name and first character in their
->	deptname same.  Select ename, dname from emp natural join
0	dept where substr (ename, 1,1) = substr (dname, 1,1);
	no rous selected.
2)	List employees who joined in the present month in any year and having grade and last digit
	in the year are sure
->	select ename, hiredate, grade from emp, salgrade
	Light and hisal and hisal and
	to char(hiredate , MON) = DEC and grand
	Substr(to_chay (hiredate, 'YY'), 2,2);
	ENAME HIREDATE GRADE
	JAMES 03-DEC-81 1
13)	List names of employed whose empno, mgr
	and grade gives the same gremainder when

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DEPARTMENT	OF	: CSE	en plant

No.	NAME OF TH	E LABORATORY : DBN	1S	
Name K.S.I	SIVANI	Roll No052_	Page No	56

divided by 2

Select empro, mgr, grade from emp, salgrade
Where sol between Icsal and hisal and

(mod (empro, 2) = mod (mgr, 2)) and (mod (mgr, 2) =

mod (grade, 2));

GRADE

EMPNO	MGR	GRAD
7934	7782	2
7654	7698	2
7902	7566	4
7788	7566	4

14) List—the names of employees having grade and ten's position in the deptho same.

Select ename, deptro, grade from emp, salgrade where sal between losal and hisal and

grade = (deptno/10);

ENAME	DEPTNO	GRADE
ALLEN	30	3
TURNER	30	3

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	DEPARTMENT OF : CSE
	Name K · S · I · SIVAN   Roll No052   Page No. 57
15	Same as (4)  Roll No052 Page No. 57
(V)	tottle as (4)
6)	List the employee names, dept name andept
	List the employee names, dept name and ept location of those employees having any of these
•	3 Same length.
>	Select ename, dname, loc from emp, dept
	Where length (ename) = length (aname) and
	length (dname) = length(loc);
	no rows selected.
17)	List names of employees having month
0	number of hiredate and grade same.
$\rightarrow$	select ename, hiredate, grade from emp,
	Salgrade where grade = to_char(hiredate, 'MM');
	ENAME HIREDATE GRADE
	Allen 20-FEB-81 2
	Ward 22-FEB-81 2
	Jones 02-APR-81 4
	Blake 01-MAY-81 5

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	DEPARTMENT OF : CSE
	NAME OF THE LABORATORY : DBMS  Name K.S. I. SIVANII BOUND - 052 Boso No. 58
	rage No.
	Adams 12-JAN-83 1
	Miller 23-JAN-82 1
(8)	List names of clerks who are reporting
	to analyst.
$\rightarrow$	Select el·ename, el·job, el·ename, el·job
	from emp e1, emp e2 where e1. mgr = e2. empro
	and evijob='CLERK' and ezijob='ANALYST';
	ENAME JOB ENAME JOB
	SMITH CLERK FORD ANALYST
0	ADAMS CLERK SCOTT ANALYST.
19)	List emp names and their manager names
	having same grade.
->	select e1. ename, S1. grade, e2. ename, S2. grade
	select e1. ename, S1. grade, e2. ename, S2. grade from empe1, salgrade S1, emp e2, salgrade
	S2 where eisal between si losal and
	si-hisal and exisal between Sz-losal and sz-h

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	DEPARTMENT OF		CSE		
	NAME OF THE LABORATORY	:	DBMS		
Name K.S.I	SIVANI Roll No. 052	)		Page No.	

	The same of the sa				
	Name K.S.T	NAME OF THE LA	BORATORY: DBN	1S Page No	59
	and elor	1gr = e2.em	ipno and st	· grade =	sz.grad
		GRADE		GRADE	_
	SCOTT	4	Jones	4	
•	FORD	4	Jones	4	
ર્ગ્ર૦)	List emp	names of	f employees	who join	ed
	before t	heir man	ageris joinir	g dale.	
$\rightarrow$	Select ei	·ename, e1.t	iredate, e2.e	name ma	nager,
	e2. hiredat	e from emp	el, emp ez	where	
	el·mgr=	= ez·empne	and eithi	redate <	
	ez hireda	to:			

2. niredale',

-	ENAME	HIREDATE	MANAGER	HIREDATE
-	Ward	22-FEB-81	Blake	01-MAY-81
-	Allen	20-FEB-81	Blake	01-MAY-81
-	clark	09-JUN-81	King	17-NOV-81
	Blake	01-MAY-81	King	17-NOV-81
-	Jones	02-APR-81	King	13-NOV-81
_	Smith	17-DEC-80	Ford	03-DEC-81