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NAME OF THE LABORATORY : DBMS

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

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LAB	PROGRAMS-3	1
	11109/11/13	

Execution of basic SQL statements on the

EMPLOYEE TABLE:

-> select * from EMP;

EMPNO	ENAME	JOB MA	MGR	HIREDATE	SAL	COMM	DEPTN
7369	dmith	Clerk	7902	17-DEC-80	800		20
7499	Allen	Salesman	7698	20-FEB-81	1600	300	30
7521	Ward	Salesman	7698	22-FEB-81	1250	500	30
7566	Jones	Manager	78 39	02-APR-81	2975		20
7654	Martin	Salesman	7698	28-SEP-8)	1250	1400	30
7698	Blake	Manager	7839	01-MAY-81	2850		30
7782	Clark	Manager	L7839	09-JUN-81	2450		10
7788	Scott	Analyst	7566	09-DEC-82	3000		20
7839	King	Poresident		17-NOV-81	5000		10
7844	Twney	Salesman	7698	08-SEP-81	1500	0	30
7876	Adams	Clerk	7788	12-JAN-83	1100		20
7900	James	Clerk	7698	03-DEC-8	950		30
7902	Ford	Analyst	7566	03-DEC-81	3000		20
7934	Miller	01	7782	23-JAN-82	1300		10

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NAME	OF THE LABORATORT	· 1)0143

Name K · S' I · SIVANI Roll No. -052 Page No. 16

Answer the following acc. to the EMP TABLE:

List empro, ename and salary:

Select empro, ename, sal from emp;

EMPNO ENAME	SAL
7369 Smith	800
7499 Allen 7521 Ward	1600 1250
7521 Wala	2975
7654 Martin	1250
7698 Blake	2850
7782 Clark	2450
7788 Scott	3000
7839 King	5000
7844 Twiner	1500
7876 Adams	1100
7900 James	950
7902 Ford	3000
7934 Miller	1300

List the names of all Managers.

select ename, job from emp where job= 'MANAGER';

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		DEPARTMENT OF	yderabad - 500 031. : <u>CS</u>	E	-
	Name K.S.T.	NAME OF THE LA	ABORATORY : <u>DB</u>	M.S Page No.	_
	ENAME	Јов			
Ô	Jones Blake Clauk	MANAGER MANAGER MANAGER			
3)		deaks in de			
>	Select ena and jo ENAME	me, deptno; ob='CLERK'; DEPTN	from emp WI	neve deptr	∩o =30
	JAMES	30			
1	List the	em ployees	to who mo	inager is	7698
	select enar ENAME	ne, mgr frior MGR	n emp whe	ne mgr=7	F698"
	ALLEN	7698			
	MARTIN TURNER	7698 7698 7698		~	

7698.

JAMES

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Name K.S.T.SIVANI	Roll No 05.	Page No.	18
14 2 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1			

5) List jobs in dept no 20.

→ | select distinct(job), deptno from emp where

deptno=20;

JOB	DEPTNO	
MANAGER	20	
ANALYST	2.0	
CLERK	20	

6) List employee names whose salary is between

2000 and 3000'

select ename, sal from emp where sal between

2000 and 3000;

ENAME	SAL_
JONES	2975
BLAKE	2850
CLARK	2450
SCOTT	3000
FORD	3000

List employees in the departments 10,20.

select ename, deptno from emp where deptno=10 or deptno = 20;

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	Name K'S I'S	SIVANI	Roll No	Page No	19
彩	ENAME	DEPTNO	V		
	Smith	20			
	Jones	20			
6	Clark	10			
	Scott	20			
•	King	10			
	Adams	20			
	Ford	20			
	Miller	10			
8)	List empl	oyll name	es which her	in with s.	
1 ر	select ena	me from e	es which beginner where	ename like	's%':
0	ENAME	0			, ,
	smith				
	Scott				
		oull name	s having 'A	in their	
9)	names.		9		
		me brom	en		101.01
	select enai	Tion	emp where	ename like	? %A1.5
	ENAME				-
	ALLEN WARD				
	WARD				
	MARTIN				

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NAME OF THE LABORATORY	: DBMS
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Name_K·S·T·SIVANI BLAKE CLARK ADAMS 10) List employees who have joined in JAN. JAMES. select ename, hiredate from emp where to-chay (hiredate, 'MON') = 'JAN'; ENAME HIREDATE 12-JAN-83 ADAMS 23-JAN-82 MILLER 11) List employees who have joined in the years 1. > select ename, hiredate from emp where to_chan (hiredate, 'YY') = 181; HIREDATE ENAME 20-FEB-81 ALLEN 22-FEB-81 WARD 02-APR-81 JONES 28 - SEP-81 MARTIN BLAKE 01-MAY-81

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		DEPARTME	Hyderabad - 5	00 031. :_CSE	×	-
		NAME OF T	HE LABORATO			
	Name K.S.I.	SIVANI	Roll No.	-052	Page No	
	CLARK	09-	JUN-81			
	KING	17-	NOV-81			
	TURNER	08 -	SEP-81			
	JAMES	03-	DEC-81			
a	FORD	03	- DEC-81			
6			1.			
12	List au d	listinct 1	obs.			
\rightarrow	select dist	ind (job)) from e	mp;		
	JOB					
	CLERK	•				
	SALESMAN					
	PRESIDENT	_				
0	MANAGER	J.				
6	ANALYST '					
13)	List employ	gee name	es in odp	habetico	J order	1:
>	select ena	me, job	from em	ip order	by end	ime;
	ANALYSI List employ Select eno ENAME	JOB	_		*	
	ADAMS	CLERK				

SALESMAN

MANAGER

MANAGER

ALLEN

BLAKE

CLARK

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: CSE

		NAME OF THE LABORATO	DRY : DBMS	
	Name K'SI'S	SIVANI ROII No	052 Page No.	
	FORD JAMES	ANALYST CLERK	_	
	JONES	CLERK		
	KING	PRESIDENT		
		SALESMAN		
6	MILLER	CLERK		
	SCOTT	ANALYST		
	SMITH	CLERK		
	TURNER	SALESMAN		
	HARD	SALESMAN		
4)	List emplo	yee names alpha	betically departs	ment wise.
\rightarrow	select dept	no, ename, job fro	om emp order by	dept no, en
	DEPTNO	ENAME	JOB	
	10	CLARK	MANAGER	
	10	KING	PRESIDENT	
	10	MILLER	CLERK	
	20	ADAMS	CLERK	
	20	FORD	ANALYST	
	20	JONES	MANAGER	
	The state of the s			

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NAME OF THE LABORATORY : DBMS

NAME OF THE LABORATORY : DBMS							
	Name K.S.T.S	IVANII	Roll No	Page No	23		
	20	SCOTT	ANALYST				
	20	SMITH	CLERK.				
	30	ALLEN	SALESMAN				
	30	BLAKE	MANAGER				
	30	JAMES	CLERK				
	30	MARTIN	SALESMAN				
	30	TURNER	SALESMAN				
	30	WARD	SALESMAN				
5)	List employ	pe names ,	alphabetically	job wis	e·		
\rightarrow	select deptino	l o, ename, jol	alphabetically b from emporde	en by job	, ename		
	DEPTNO	ENAME					
,	20	FORD.	ANALYST				
F	20	SCOTT	ANALYST				
	20	ADAMS	CLERK				
	20	JAMES	CLERK		1		
	10	MILLER	CLERK.	y.			
	20	SMITH			1		
	30	BLAKE	2001 market 2 10010	_			
	01	CLARK	MANAGER				
	20	JONES	MANAGER	L.			

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	DEPARTMENT OF : CSE					
		NAME OF TH	IE LABORATORY	: DBMS		_
	Name_K'S'	I ·SIVANI	Roll No. <u> 05</u>	2	_ Page No	24
	10	KING	PRESIDENT			
	30	ALLEN	SALESMAN			
	30	MARTIN	SALESMAN			
	30	TURNER	SALESMAN			
0		WARD	SALESMAN		×	
le)	List em	ployee nu	mbers, nar (AL) (1, 0.15*sal	me, sal	, DA (15°	1. Obsal)
	and PF	(10°/0 06 S	(AL)			
\rightarrow	select en	npno, ename sal	l, 0.15*sal	DA, O	·1*50l	PF
			Jaom er	np;		
	EMPNO	ENAME	SAL	DA	PF	
	7369	Smith	800	120	80	
0		Allen	1600	240	160	
· · · · ·	7521	Ward	1250	187.5	125	
	7566	Jones	2975	446.25	297.5	
	7654	Martin	1250	187.5	125	
	7698	Blake	2850	427.5	285	
	7782	Clark	2450	367.5	245	
-	7788	Scott	3000	450	300	
	7839	King	5000	7 50	500	
	7844	Twiney	1500	225	150	W 1=

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NAME OF THE LABORATORY : DBMS

	Name K. S. T.	K°S·I·SIVANI Roll No052			Page No.	25
					110	
	7876	Adams	1100	165		
	7900	James	950	142'5	95	
		Ford	3000	450	300	-
	7934	Miller	1300	195	130.	
+	List emp	loyee nam	es having	anexp	evience	more
	than 15	yeans	~			
,	select en	name, hisec	date, round	((month	ns_between)
	(sysdate	, hiredate))/12) exp	from e	mp Whee	16
))bruvore	months_be	tween (sysde	ite, hired	ate))/12)	740%
	ENAME		EDATE	EXP		
	Smith	14-	-DEC-80	42		
	Allen	20	- FEB-81	42		
	Wand	22.	- FEB-81	42	la .	
	Jones	02	-APR-81	42		
	Martin	28	-SEP-81	42		
1	Blake	01	-MAY-81	42	- 4	
	Clark	00	7-JUN-81			
	King	I.	4-NOV-8			
	Twine	·	08-SEP-81	42		

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	DEPAR	RTMENT OF : cs	SE			
	NAME	OF THE LABORATORY : DE	BMS			
1	Name K'S'I'SIVAN	Roll No 801 No		_ Page No	26	_
	James	03-DEC-81	41			
	Ford	03-DEC-81	41			
	Miller	23-JAN-82	41			
18	List employee Select ename f	names whose co	mmis Iomm	is NU	is NULL	_
	ENAME Smith Jones Blake Clark Scott King Adams James Ford Miller					
19)	List employees	who do not repor	rt to	anybo	dy.	
→	Select ename fi ENAME KING	who do not repor	mgr.	is NUL	-L;	100000000000000000000000000000000000000
20)	List maximur	m sal, minimum	sal,	averag	ge sal.	

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	NAME OF THE LABORATORY : DBMS
	Name K'S.I.SIVANI Roll NoD52 Page No. 27
>	select max(sal), min(sal), avg(sal) from emp;
	MAX(SAL) MIN(SAL) AYG(SAL)
	5000 800 2073-21429
21)	List the number Objob.
0	select count (distinct (job)) from emp;
	count (distinct (JOB))
23	List the poople and
	List the no. of people and avg salary in deptno 30.
\rightarrow	select count (ename), avg(sal) from emp
	where deptno=30:
0	count (ename) ovg (sal)
	6 1566.66667
23	List maximum sal and minimum sal in the
-	List maximum sal and minimum sal in the designations SALESMAN and CLERK.
	select job, max(sal), min(sal) from emp
	where job = 'SALESMAN' or job = 'CLERK' group by job;
	group by job;

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	DE	PARTMENT OF	: <u>CSE</u>		
	N/	AME OF THE LABO	PRATORY : DBM	Page No	28
	Name_K'S'I'SIL	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NA		Page No	
	JOB	MAX(SAL)	MIN(SAL)	-	
	CLERK	1300	800		, ,
	SALESMAN	*	1250		
	List the r of employees				May .
\rightarrow	Select count	(ename), o	ry(sal) for	om emp	
	where to_c	hay (hiredo	te, 'YY') is	J (81,82	(83)
	COUNT(ENAM		AVG(SAL)		
. 1		13 8	171.15385.		
	List the jo		ie unique t	ō dept no	20
\rightarrow	select & dist	inct (job) f	yom emp 1	where de	ptno=20)
	minus (select	job from	emp Where	dept-no.	(10130))
	JOB				
	ANALYST				

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NAME OF THE LABORATORY : DBMS	
Name K'S.I.SIVANI Roll No050 Page No. 29	=
6) Display today's date and present time.	
> select to_char (sysdate, 'DD-MM-YYYY HH:MM:ss	
from dual:	
TO_CHAR(SYSDATE, DD	
31-03-2023 11:03:51	1
27 A, B) BSMITH 17th DEC NINETEEN EIGHTY	<i>i</i> .
B SMITH SEVENTEENTH DEC NINETEEN EIGHT	
> select ename, to_char (hiredate, DDTH MON YEAR)
to_char(hiredate, 'DDSP MON YEAR') from	em
(e,D) © SMITH Week day of joining. D SMITH 17/12/80	
> select ename biredate, nour	
select ename, to_char(hiredate, 'DD/MM/YY'),	
to-char (hiredate, 'DAY') from emp:	
28) List employee names and their experience in	
years.	
select ename hijedate from emp where	

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NAME OF	THE LABORATORY	DBMD
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NAME OF THE LABORATORY : DBMS							
	Name K'S T	STVANI Roll No052	Page No	30			
\rightarrow	select en	ame, hiredate, 910un	d ((months_b	ietwicen			
	(sysdate,	hiredate))/12) exp	Sow sub:				
	ENAME	HIREDATE EX	P				
	Smith	14-000	.2				
*	Allen	20-1-10-01	.2				
	Hard	aa-reb	2_				
	Jones	02-FIPR-01	2_				
	Martin	28-SEP-81	42				
	Blake	01-MAY-81	42				
	Clark	09-INN-81	42				
	Scott	09-DEC-81	40				
@	King	17-NOV-81	41				
	Twiney	08-SEP-81	42				
	Adams	12-JAN-83	40				
	James	03-DEC-81	41				
	Ford	03-DEC-81	41				
	Miles	23-JAN-82	41				

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NAME OF THE LABORATORY : DBMS							
	Name K.S.I.SIVANI Roll No. 052 Page No. 31	1					
29)	List employee names who joined in the FEB and on MONDAY (Or) FRIDAY.	distance of the Personal Property					
	ON MONDAY (OY) FRIDAY	Service and Street					
->	select ename, hire date from emp where	-					
	select ename, hire date from emp where to_char(hiredate, 'MON DAY') like 'FEB MONDAY						
	or to-char (hiredate, 'MON DAY') like	-					
	'FEB FRIDAY ';	Colors in succession or with the last					
	ENAME HIREDATE	-					
	ALLEN 20-FEB-81	Photographic and spinished					
8							
		ı					