Assignment 5

1. List all the employee names, dept name and the city, in department name order.

Query: SELECT ENAME, DNAME, LOC FROM EMP, DEPT WHERE EMP. DEPTNO = DEPT. DEPTNO ORDER BY DNAME;

ENAME	DNAME	LOC
CLARK	ACCOUNTING	NEW YORK
MILLER	ACCOUNTING	NEW YORK
KING	ACCOUNTING	NEW YORK
FORD	RESEARCH	DALLAS
SCOTT	RESEARCH	DALLAS
JONES	RESEARCH	DALLAS
SMITH	RESEARCH	DALLAS
ALLEN	SALES	CHICAGO
WARD	SALES	CHICAGO
MARTIN	SALES	CHICAGO
TURNER	SALES	CHICAGO
	DHAME	1.00
ENAME	DNAME	LOC
JAMES	SALES	CHICAGO
BLAKE	SALES	CHICAGO
	_	()
13 rows	selected.	

2. List all employees working in Dallas in descending order of salary.

Query: SELECT ENAME, SAL, LOC FROM EMP, DEPT WHERE EMP.DEPTNO = DEPT.DEPTNO AND LOC = 'DALLAS' ORDER BY SAL DESC;

ENAME	SAL LOC
SCOTT	3000 DALLAS
FORD	3000 DALLAS
JONES	2975 DALLAS
SMITH	800 DALLAS

3. List employee name, department name, job and location of all employees who work in DALLAS.

Query: SELECT ENAME, DNAME, JOB, LOC FROM EMP, DEPT WHERE EMP.DEPTNO = DEPT.DEPTNO AND LOC = 'DALLAS';

ENAME	DNAME	JOB	LOC
			
JONES	RESEARCH	MANAGER	DALLAS
SCOTT	RESEARCH	ANALYST	DALLAS
FORD	RESEARCH	ANALYST	DALLAS
SMITH	RESEARCH	CLERK	DALLAS

4. List the employee name, salary, PF, HRA, DA and gross salary; order the result in ascending order of gross. PF is 10% of salary, HRA is 60% of salary and DA is 40% of salary.

Query: SELECT ENAME, SAL, SAL*.1 AS PF, SAL*.6 AS HRA, SAL*.4 AS DA, (SAL*.1 + SAL*.6 + SAL*.4+ SAL) AS GROSS FROM EMP;

ENAME	SAL	PF	HRA	DA	GROSS
KING	5000	500	3000	2000	10500
BLAKE	2850	285	1710	1140	5985
CLARK	2450	245	1470	980	5145
JONES	2975	297.5	1785	1190	6247.5
SCOTT	3000	300	1800	1200	6300
FORD	3000	300	1800	1200	6300
SMITH	800	80	480	320	1680
ALLEN	1600	160	960	640	3360
WARD	1250	125	750	500	2625
MARTIN	1250	125	750	500	2625
TURNER	1500	150	900	600	3150
ENAME	SAL	PF	HRA	DA	GROSS
JAMES	950	95	570	380	1995
MILLER	1300	130	780	520	2730
13 rows selec	cted.				

5. Display names and salary of all the employees who report to KING.

Query: SELECT ENAME, SAL FROM EMP WHERE MGR IN (SELECT EMPNO FROM EMP WHERE ENAME = 'KING');

ENAME	SAL
DI ALIE	2050
BLAKE CLARK	2850 2450
JONES	2975

6. List all employees who work in DALLAS and earn more than any employee working in Chicago.

Query: SELECT ENAME, LOC FROM EMP, DEPT WHERE EMP.DEPTNO = DEPT.DEPTNO AND LOC = 'DALLAS' AND SAL>(SELECT MAX(SAL) FROM EMP, DEPT WHERE EMP.DEPTNO = DEPT.DEPTNO AND LOC = 'CHICAGO');

ENAME	LOC
JONES	DALLAS
SCOTT	DALLAS
FORD	DALLAS

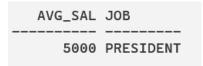
7. List all employees who work in the same post as Smith.

Query: SELECT * FROM EMP WHERE JOB = (SELECT JOB FROM EMP WHERE ENAME ='SMITH') AND ENAME !='SMITH';

EMPNO	ENAME	J0B	MGR	HIREDATE	SAL	COMM	DEPTNO
1,000	JAMES MILLER	CLERK CLERK		03-DEC-81 23-JAN-82	950 1300		30 10

8. Find the job with the highest average salary.

Query: SELECT * FROM (SELECT * FROM (SELECT AVG(SAL) AS AVG_SAL, JOB FROM EMP GROUP BY JOB) ORDER BY AVG_SAL DESC) WHERE ROWNUM<=1;



9. List the top 10 earners in the company.

Query: SELECT ENAME, SAL FROM EMP WHERE ROWNUM<=10 ORDER BY SAL DESC;

ENAME	SAL
KING	5000
SCOTT	3000
FORD	3000
JONES	2975
BLAKE	2850
CLARK	2450
ALLEN	1600
MARTIN	1250
WARD	1250
SMITH	800
10 rows se	Lected.

10. Display the names of all employees' replacing 'A' with 'a'.

Query: SELECT TRANSLATE(ENAME, 'A', 'a') FROM EMP;

TRANSLATE(ENAME, 'A', 'A')
KING BLaKE CLARK JONES SCOTT FORD SMITH ALLEN WARD MARTIN TURNER
TRANSLATE(ENAME, 'A', 'A')
James MILLER
13 rows selected.

11. Show the salary of all the employees rounding it to the nearest Rs.1000/-.

Query: SELECT ENAME, SAL, ROUND(SAL,-3) FROM EMP;

ENAME	SAL	ROUND(SAL,-3)
KING	5000	5000
BLAKE	2850	3000
CLARK	2450	2000
JONES	2975	3000
SCOTT	3000	3000
FORD	3000	3000
SMITH	800	1000
ALLEN	1600	2000
WARD	1250	1000
MARTIN	1250	1000
TURNER	1500	2000
ENAME	SAL	ROUND(SAL,-3)
JAMES	950	1000
MILLER	1300	1000
13 rows selected		

 $12. \ \ Show the first three and last three characters of the names of all the employees.$

Query: SELECT ENAME, SUBSTR(ENAME, 1,3), SUBSTR(ENAME, -3, 3) FROM EMP;

ENAME	SUBSTR(ENAME	SUBSTR(ENAME
LITHC	LITN	TNC
KING	KIN	ING
BLAKE	BLA	AKE
CLARK	CLA	ARK
JONES	JON	NES
SCOTT	SC0	OTT
FORD	FOR	ORD
SMITH	SMI	ITH
ALLEN	ALL	LEN
WARD	WAR	ARD
MARTIN	MAR	TIN
TURNER	TUR	NER
ENAME	SUBSTR(ENAME	SUBSTR(ENAME
JAMES	JAM	MES
MILLER	MIL	LER
13 rows s	elected.	