

ASSIGNMENT – 2

SOHAM DAS

IT, UG-2

002311001004

1. SELECT ENAME, MGR, TO_CHAR(HIREDATE, 'DDSPTH MONTH, YYYY')AS DATE_HIRED
FROM EMP WHERE (JOB = 'CLERK' OR DEPTNO = 20);

ENAME	MGR	DATE_HIRED
SMITH	7902	Seventeenth December , 1980
JONES	7839	Second April , 1981
SCOTT	7566	Nineteenth April , 1987
ADAMS	7788	Twenty-Third May , 1987
JAMES	7698	Third December , 1981
FORD	7566	Third December , 1981
MILLER	7782	Twenty-Third January , 1982

2. SELECT ENAME, SAL AS OLD_SAL, ROUND(1.25*SAL) AS NEW_SAL FROM EMP ;

ENAME	OLD_SAL	NEW_SAL
SMITH	800	1000
ALLEN	1600	2000
WARD	1250	1563
JONES	2975	3719
MARTIN	1250	1563
BLAKE	2850	3563
CLARK	2450	3063
SCOTT	3000	3750
KING	5000	6250
TURNER	1500	1875
ADAMS	1100	1375
JAMES	950	1188
FORD	3000	3750
MILLER	1300	1625

3. SELECT LPAD(ENAME, 10, ' ') AS ENAME, RPAD(SAL,10,' ') AS SALARY FROM EMP ;

ENAME	SALARY
SMITH	800
ALLEN	1600
WARD	1250
JONES	2975
MARTIN	1250
BLAKE	2850
CLARK	2450
SCOTT	3000
KING	5000
TURNER	1500
ADAMS	1100
JAMES	950
FORD	3000
MILLER	1300

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4. SELECT CONCAT(CONCAT(INITCAP(ENAME),'('), CONCAT(INITCAP(JOB),')) AS  
ROLL_OF_THE_EMPLOYEE FROM EMP ;
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ROLL_OF_THE_EMPLOYEE
Smith(Clerk)
Allen(Salesman)
Ward(Salesman)
Jones(Manager)
Martin(Salesman)
Blake(Manager)
Clark(Manager)
Scott(Analyst)
King(President)
Turner(Salesman)
Adams(Clerk)
James(Clerk)
Ford(Analyst)
Miller(Clerk)

5. SELECT * FROM EMP WHERE UPPER(JOB)= 'CLERK';

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20	-	-
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20	-	-
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30	-	-
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10	-	-

6. SELECT ENAME, HIREDATE, ADD_MONTHS(HIREDATE,12) AS SALARY_REVIEW_DATE
FROM EMP ORDER BY SALARY_REVIEW_DATE;

ENAME	HIREDATE	SALARY_REVIEW_DATE
SMITH	17-DEC-80	17-DEC-81
ALLEN	20-FEB-81	20-FEB-82
WARD	22-FEB-81	22-FEB-82
JONES	02-APR-81	02-APR-82
BLAKE	01-MAY-81	01-MAY-82
CLARK	09-JUN-81	09-JUN-82
TURNER	08-SEP-81	08-SEP-82
MARTIN	28-SEP-81	28-SEP-82
KING	17-NOV-81	17-NOV-82
JAMES	03-DEC-81	03-DEC-82
FORD	03-DEC-81	03-DEC-82
MILLER	23-JAN-82	23-JAN-83
SCOTT	19-APR-87	19-APR-88
ADAMS	23-MAY-87	23-MAY-88

7. SELECT EMPNO, ENAME, JOB, SAL FROM EMP WHERE SAL IN (SELECT MAX(SAL)FROM EMP GROUP BY JOB) ORDER BY SAL DESC;

EMPNO	ENAME	JOB	SAL
7839	KING	PRESIDENT	5000
7788	SCOTT	ANALYST	3000
7902	FORD	ANALYST	3000
7566	JONES	MANAGER	2975
7499	ALLEN	SALESMAN	1600
7934	MILLER	CLERK	1300

8. SELECT * FROM EMP E WHERE HIREDATE IN (SELECT MAX(HIREDATE) FROM EMP WHERE DEPTNO = E.DEPTNO);

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20	-	-
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30	-	-
7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10	-	-

9. SELECT D.DNAME, COUNT(E.EMPNO) FROM EMP E, DEPT D WHERE E.DEPTNO =D.DEPTNO GROUP BY D.DEPTNO, D.DNAME ORDER BY D.DEPTNO;

DNAME	COUNT(E.EMPNO)
ACCOUNTING	3
RESEARCH	5
SALES	6

10. SELECT E.EMPNO, E.ENAME, E.SAL, S.GRADE FROM EMP E, SALGRADE S WHERE E.SAL IN(SELECT MAX(SAL) FROM EMP GROUP BY DEPTNO) AND E.SAL BETWEEN S.LOSAL AND S.HISAL ORDER BY E.DEPTNO;

EMPNO	ENAME	SAL	GRADE
7839	KING	5000	5
7902	FORD	3000	4
7788	SCOTT	3000	4
7698	BLAKE	2850	4

11. SELECT TO_CHAR(HIREDATE, 'YYYY') AS YEAR, COUNT(EMPNO) AS NO_OF_EMPLOYEES FROM EMP GROUP BY TO_CHAR(HIREDATE, 'YYYY') HAVING COUNT(EMPNO)=(SELECT MAX(COUNT(EMPNO)) FROM EMP GROUP BY TO_CHAR(HIREDATE, 'YYYY'));

YEAR	NO_OF_EMPLOYEES
1981	10

12. SELECT * FROM(SELECT EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO, PHONENO, ADDRESS, ROWNUM RN FROM EMP) WHERE MOD(RN,2)=1;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS	RN
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20	-	-	1
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30	-	-	3
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30	-	-	5
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10	-	-	7
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10	-	-	9
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20	-	-	11
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20	-	-	13

13. SELECT EMPNO,ENAME, SAL+NVL(COMM,0) AS TOTAL_SALARY FROM EMP;

EMPNO	ENAME	TOTAL_SALARY
7369	SMITH	800
7499	ALLEN	1900
7521	WARD	1750
7566	JONES	2975
7654	MARTIN	2650
7698	BLAKE	2850
7782	CLARK	2450
7788	SCOTT	3000
7839	KING	5000
7844	TURNER	1500
7876	ADAMS	1100
7900	JAMES	950
7902	FORD	3000
7934	MILLER	1300

14. SELECT DISTINCT D.DNAME AS DEPARTMENT, E.JOB AS AVAILABLE_JOBS FROM EMP E, DEPT D WHERE D.DEPTNO = E.DEPTNO ;

DEPARTMENT	AVAILABLE_JOBS
RESEARCH	CLERK
SALES	MANAGER
RESEARCH	ANALYST
ACCOUNTING	CLERK
SALES	SALESMAN
SALES	CLERK
ACCOUNTING	MANAGER
RESEARCH	MANAGER
ACCOUNTING	PRESIDENT

15. SELECT DISTINCT D.DNAME AS DEPARTMENT, E.* FROM EMP E, DEPT D WHERE D.DEPTNO = E.DEPTNO;

DEPARTMENT	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
ACCOUNTING	7934	MILLER	CLERK	7782	23-JAN-82	1300	-	10	-	-
SALES	7900	JAMES	CLERK	7698	03-DEC-81	950	-	30	-	-
RESEARCH	7369	SMITH	CLERK	7902	17-DEC-80	800	-	20	-	-
SALES	7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30	-	-
ACCOUNTING	7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10	-	-
ACCOUNTING	7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10	-	-
RESEARCH	7566	JONES	MANAGER	7839	02-APR-81	2975	-	20	-	-
RESEARCH	7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20	-	-
RESEARCH	7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20	-	-
RESEARCH	7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20	-	-
SALES	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30	-	-
SALES	7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30	-	-
SALES	7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30	-	-
SALES	7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30	-	-