**SDET SQL: ASSIGNMENT SQL QUERIES**

**Round 1:**

1.1 SELECT DISTINCT(JOB) FROM SCOTT.EMP

1.2 SELECT \* FROM SCOTT.EMP ORDER BY SAL ASC

1.3 SELECT \* FROM SCOTT.EMP ORDER BY DEPTNO ASC, JOB DESC

1.4 SELECT DISTINCT(JOB) FROM SCOTT.EMP ORDER BY JOB DESC

1.5 SELECT \* FROM SCOTT.EMP WHERE JOB = 'MANAGER'

1.6 SELECT \* FROM SCOTT.EMP WHERE HIREDATE<'01-JAN-1981';

1.7 SELECT EMPNO,ENAME,SAL,COMM FROM SCOTT.EMP ORDER BY SAL ASC

1.8 SELECT EMPNO, ENAME, JOB, HIREDATE, ((SYSDATE-HIREDATE)/365) FROM SCOTT.EMP WHERE JOB = 'MANAGER';

1.9 SELECT EMPNO,ENAME,SAL,FLOOR(MONTHS\_BETWEEN(SYSDATE,HIREDATE)/12) AS EXP FROM SCOTT.EMP WHERE MGR=7369;

1.10 SELECT \* FROM SCOTT.EMP WHERE COMM>SAL

1.11 SELECT \* FROM SCOTT.EMP WHERE HIREDATE > ('30-jun-81') AND TO\_CHAR(HIREDATE,'YYYY') = 1981 ORDER BY JOB ASC

1.12 SELECT EMPNO,ENAME,JOB,MGR,HIREDATE,SAL,COMM,DEPTNO,((SYSDATE-HIREDATE)/365) FROM SCOTT.EMP WHERE SAL>'100'

1.13 SELECT \* FROM SCOTT.EMP WHERE JOB='CLERK' OR JOB='ANALYST' ORDER BY ENAME DESC

1.14 SELECT \* FROM SCOTT.EMP WHERE HIREDATE='1-MAY-81' OR HIREDATE='3-DEC-81' OR HIREDATE='17-DEC-81' OR HIREDATE='19-JAN-80' ORDER BY HIREDATE ASC

1.15 SELECT \* FROM SCOTT.EMP WHERE DEPTNO='10' OR DEPTNO='20';

1.16 SELECT \* FROM SCOTT.EMP WHERE HIREDATE>='01-JAN-1981' AND HIREDATE<='31-DEC-1981';

1.17 SELECT \* FROM SCOTT.EMP WHERE HIREDATE>='01-AUG-1980' AND HIREDATE<='31-AUG-1980';

1.18 SELECT ENAME,LENGTH(ENAME) FROM SCOTT.EMP WHERE LENGTH(ENAME)='5';

1.19 SELECT ENAME FROM SCOTT.EMP WHERE ENAME LIKE 'S%' AND LENGTH(ENAME)='5';

1.20 SELECT ENAME FROM SCOTT.EMP WHERE ENAME LIKE '\_\_R%' AND LENGTH(ENAME)='4';

1.21 SELECT \* FROM SCOTT.EMP WHERE EMPNO!='7369' AND EMPNO!='7521'AND EMPNO!='7839'AND EMPNO!='7934' AND EMPNO!='7788';

1.22 SELECT \* FROM SCOTT.EMP WHERE DEPTNO !='10' AND DEPTNO !='30' AND DEPTNO !='40'

1.23 SELECT ENAME FROM SCOTT.EMP

WHERE HIREDATE>='30-JUN-1981'

AND HIREDATE<='31-DEC-1981';

1.24 SELECT DISTINCT(JOB) FROM SCOTT.EMP

1.25 SELECT \* FROM SCOTT.EMP WHERE COMM IS NULL;

1.26 SELECT ENAME,JOB FROM SCOTT.EMP WHERE JOB='PRESIDENT';

1.27 SELECT \* FROM SCOTT.EMP WHERE COMM>=0;

1.28 SELECT ENAME FROM SCOTT.EMP WHERE ENAME LIKE '\_I%';

1.29 SELECT ENAME, SAL, COALESCE(COMM, 0) FROM SCOTT.EMP;

**Round 2:**

2.1 SELECT COUNT(ENAME),AVG(SAL) FROM SCOTT.EMP WHERE DEPTNO = 20;

2.2 SELECT ENAME FROM SCOTT.EMP WHERE TRUNC(SYSDATE-HIREDATE) > 30;

2.3 SELECT ENAME,HIREDATE FROM SCOTT.EMP ORDER BY HIREDATE DESC

2.4 SELECT ENAME,SAL, ((SAL/100)\*10)"PF",((SAL/100)\*50)"HRA",((SAL/100)\*30)"DA", (SAL+((SAL/100)\*10)+((SAL/100)\*50)+((SAL/100)\*30))"Gross" FROM SCOTT.EMP;

2.5 SELECT DEPTNO,COUNT(ENAME) FROM SCOTT.EMP GROUP BY DEPTNO;

**Round 3:**

3.1 SELECT \* FROM SCOTT.EMP WHERE JOB IN (SELECT JOB FROM SCOTT.EMP WHERE ENAME='SMITH');

3.2 SELECT \* FROM SCOTT.EMP WHERE HIREDATE>(SELECT HIREDATE FROM SCOTT.EMP WHERE ENAME='ADAMS');

3.3 SELECT \* FROM SCOTT.EMP WHERE SAL>(SELECT SAL FROM SCOTT.EMP WHERE ENAME='SCOTT');

3.4 SELECT \* FROM SCOTT.EMP WHERE SAL IN(SELECT MAX(SAL)FROM SCOTT.EMP);

3.5 SELECT \* FROM SCOTT.EMP WHERE SAL>( SELECT MAX(SAL)FROM SCOTT.EMP) AND DEPTNO=30;

**Round 4:**

4.1 SELECT e.ENAME,d.DEPTNO,d.DNAME

FROM SCOTT.EMP e

INNER JOIN

DEPT d ON

e.DEPTNO=d.DEPTNO

ORDER BY| DEPTNO

4.2 SELECT DISTINCT e.ENAME AS EMPLOYEE,m.ENAME AS MANAGER

FROM SCOTT.EMP E

INNER JOIN

EMP m ON

e.MGR =m.EMPNO

ORDER BY m.ENAME ASC

4.3 SELECT DISTINCT e.ENAME AS EMPLOYEE,d.DNAME AS DEPARTMENT,e.DEPTNO AS DEPARTMENTNUMBER

FROM SCOTT.EMP e

INNER JOIN

DEPT d ON

e.DEPTNO=d.DEPTNO

WHERE d.DNAME = ‘RESEARCH’

ORDER BY e.ENAME ASC

4.4 SELECT \*

FROM SCOTT.EMP e

LEFT OUTER JOIN

DEPT d ON

e.DEPTNO=d.DEPTNO

ORDER BY e.ENAME ASC

4.5 SELECT \*

FROM SCOTT.EMP e

LEFT OUTER JOIN

DEPT d ON

e.DEPTNO=d.DEPTNO

ORDER BY e.ENAME ASC