Cycle-2

Create table tablename as select \* from scott.emp;

Eg: create Employee as select \* from scott.emp;

Select \* from employee;

Select \* from scott.emp;

1. Display the department names in the lower case but the initial must be in uppercase.

SQL>**select initcap(dname) from dept;**

**INITCAP(DNAME)**

**Research**

**Sales**

**Operations**

1. Determine the ‘ename’, ‘job’, ‘sal’ rename the title as Job-sal the output must be Job-Sal as SMITH [CLERK] RS.2000

SQL>**select ename||'['||job||'RS.'||sal||']' as job\_sal from emp;**

**JOB\_SAL**

1. **------------------------**
2. **KING[PRESIDENTRS.5000]**
3. **BLAKE[MANAGERRS.2850]**
4. **CLARK[MANAGERRS.2450]**
5. **JONES[MANAGERRS.2975]**
6. **MARTIN[SALESMANRS.1250]**
7. **ALLEN[SALESMANRS.1600]**
8. **TURNER[SALESMANRS.1500]**
9. **JAMES[CLERKRS.950]**
10. **WARD[SALESMANRS.1250]**
11. **FORD[ANALYSTRS.3000]**
12. **SMITH[CLERKRS.800]**
13. **SCOTT[ANALYSTRS.3000]**
14. **ADAMS[CLERKRS.1100]**
15. **MILLER[CLERKRS.1300]**

3. Count the number of times S occurs in department names.

**SQL>select length(dname)-length(replace(upper(dname),'S')) as countofS from dept;**

**COUNTOFS**

**---------**

**0**

**1**

**2**

**1**

4. Write a query to display the department name which does not contains any employees.

SQL>**Select dname from dept where deptno not in**

**(selectdeptno from emp**

**whereemp.deptno=dept.deptno);**

**DNAME**

**--------------**

**OPERATIONS**

**5.** Write a query to display all employee details where employee was joined during the years 1980 to 1990 and in the 2nd week of a month

SQL>**Select \* from emp**

**Where to\_char(hiredate,’yyyy’) between 1980 and 1990**

**andto\_char(hiredate,’w’)=2;**

**EMPNO ENAME JOB MGR HIREDATE SAL COMM DEPTNO**

**------ ---------- --------- ---------- --------- ---------- ---------- ----------**

**7782 CLARK MANAGER 7839 09-JUN-81 2450 10**

**7844 TURNER SALESMAN 7698 08-SEP-81 1500 0 30**

**7788 SCOTT ANALYST 7566 09-DEC-82 3000 20**

**7876 ADAMS CLERK 7788 12-JAN-83 1100 20**

6. Write an SQL statement to convert the current date to new date picture ex: MONDAY 10th 2005 10:30.00 PM

**SQL>select to\_char(sysdate,’Day ddthyyyyhh:mi:ss pm’) as dateformat from dual;**

**DATE FORMAT**

**---------------------**

**07th 2016 10:57:04 am**

7. Write a query to display details of all employees who joined on last Wednesday of a month and whose experience is more than 20 months.

**SQL>Select \* from emp**

**Where hiredate between last\_day(hiredate) and last\_day(hiredate)-6 and**

**Trim(to\_char(hiredate,’day’))=’Wednesday’ and months\_between(hiredate,sysdate)>20;**

8. Write a query to calculate the service of employees rounded to years.

**SQL>Select round((sysdate-hiredate)/365) as service from emp;**

SERVICE

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34

35

35

35

35

35

35

34

35

34

35

SERVICE

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33

33

34

10. Write a query that will display list of employees and their salary and the comments as follows.

If the salary is more than 1500 then display “above target”

If the salary is equal to 1500 then display “on the target”

If the salary is less than 1500 then display “below the target”

**SQL>Select ename,sal ,case**

**When sal>1500 then ‘above target’**

**When sal<1500 then’below target’**

**Else ‘on the target’ target**

**End Fromemp;**

ENAME SAL TARGET

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KING 5000 above target

BLAKE 2850 above target

CLARK 2450 above target

JONES 2975 above target

MARTIN 1250 below target

ALLEN 1600 above target

TURNER 1500 on the target

JAMES 950 below target

WARD 1250 below target

FORD 3000 above target

SMITH 800 below target

SCOTT 3000 above target

ADAMS 1100 below target

MILLER 1300 below target

12. Display the time of day.

SQL>**Select sysdate from dual;**

13. Find all employees who earn a salary greater than the average salary of their departments.

**SQL>select ename, sal,e.deptno from emp e**

**Where sal> (select avg (sal) from emp where deptno = e.deptno );**

ENAME SAL DEPTNO

---------- ---------- ----------

KING 5000 10

BLAKE 2850 30

JONES 2975 20

ALLEN 1600 30

FORD 3000 20

SCOTT 3000 20

1. rows selected.
2. Write a query to find the name of the manager and number of sub-ordinates.

**SQL>select m.empno,m.ename, count (\*) from emp m, emp e**

**wheree.mgr=m.empno group by m.ename,m.empno;**

EMPNO ENAME COUNT(\*)

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7566 JONES 2

7698 BLAKE 5

7782 CLARK 1

7788 SCOTT 1

7839 KING 3

1. D 1
2. Write a query to find out the manager having Maximum number of sub-ordinates.

**SQL>select m.ename, count (\*) noofsubordinates**

**fromemp m, emp e**

**wheree.mgr=m.empno**

**group by m.ename**

**having count (\*) in (select max (count (\*)) from emp e, emp m where e.mgr=m.empno group by m.ename);**

ENAME NOOFSUBORDINATES

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BLAKE 5

16. Write a query to find out the top three earners.

**SQL>select ename, sal+nvl(comm,0) from emp e**

**where 3> (select count (\*) from emp f where sal+nvl(comm,0)<f.sal+nvl(comm,0));**

ENAME SAL+NVL(COMM,0)

---------- ---------------

KING 5000

BLAKE 2850

CLARK 2450

JONES 2975

MARTIN 2650

ALLEN 1900

TURNER 1500

JAMES 950

WARD 1750

FORD 3000

SMITH 800

SCOTT 3000

ADAMS 1100

MILLER 1300

17. Write a query to find out the employees who have joined before their managers.

**SQL>select e.ename, e.hiredate, m.ename as mgrname, m.hiredate as mgrhiredate**

**From emp e, emp m**

**Where e.mgr=m.empno and e.hiredate<m.hiredate;**

**ENAME HIREDATE MGRNAME MGRHIREDA**

**---------- --------- ---------- ---------**

**ALLEN 20-FEB-81 BLAKE 01-MAY-81**

**WARD 22-FEB-81 BLAKE 01-MAY-81**

**BLAKE 01-MAY-81 KING 17-NOV-81**

**CLARK 09-JUN-81 KING 17-NOV-81**

**JONES 02-APR-81 KING 17-NOV-81**

**SMITH 17-DEC-80 FORD 03-DEC-81**

1. Write a query which will return the DAY of the week. (i.e. MONDAY), for any date entered in the format: DD.MM.YY.

**SQL>select to\_char(to\_date('&date','dd:mm:yy'),'day') from dual;**

**Enter value for date: 19:07:2022**

**old 1: select to\_char(to\_date('&date','dd:mm:yy'),'day') from dual**

**new 1: select to\_char(to\_date('19:07:2022','dd:mm:yy'),'day') from dual**

**TO\_CHAR(T**

**---------**

**tuesday**