SQL> set linesize 3000;

SQL> select \* from sapna;

EMPNO ENAME JOB HIREADATE MGR SAL COMM DEPTNO

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

7369 SMITH CLERK 17-DEC-80 7902 800 0 20

7499 ALLEN SALESMAN 20-FEB-81 7698 1600 300 30

7521 WARD SALESMAN 22-FEB-81 7698 1250 500 30

7566 JONES MANAGER 02-APR-81 7839 2975 0 20

7654 MARTIN SALESMAN 28-SEP-81 7698 1250 1400 30

7698 BLAKE MANAGER 01-MAY-81 7839 2850 0 30

7782 CLARK MANAGER 09-JUN-81 7839 2450 0 10

7 rows selected.

SQL> select ename from sapna where comm>=0;

ENAME

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

SMITH

ALLEN

WARD

JONES

MARTIN

BLAKE

CLARK

1. **There are a few employees who get commission. List their names. (Hint: use NOT)**

SQL> select ename from sapna where comm>1;

ENAME

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

ALLEN

WARD

MARTIN

1. **Write a query to display a message, like, “Smith is working as a Manager in the Department 20 and his salary is 800”.**

SQL> select ename||' is working as a '||job||' in the department number '||deptno||' and his salary is '||sal from sapna where ename='SMITH';

ENAME||'ISWORKINGASA'||JOB||'INTHEDEPARTMENTNUMBER'||DEPTNO||'ANDHISSALARYIS'||SAL

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SMITH is working as a clerk in the department number 20 and his salary is 800

1. **List the different categories of the jobs available in the company (don’t repeat).**

SQL> select distinct job from sapna;

JOB

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CLERK

SALESMAN

MANAGER

1. **Find out the length of the empno for the workers who work as a salesman.**

SQL> select length(empno) from sapna where job='SALESMAN';

LENGTH(EMPNO)

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

4

4

4

1. **Show employee name, grade and salary, in the order of their salary.**

SQL> SELECT ENAME,SAL FROM SAPNA ORDER BY SAL;

ENAME SAL

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SMITH 800

WARD 1250

MARTIN 1250

ALLEN 1600

CLARK 2450

BLAKE 2850

JONES 2975

7 rows selected.

1. **How many employees are getting salary more than 1000?**

select count(\*) from sapna where sal>=1000;

COUNT(\*)

----------

6

1. **Select only those employees who are a clerk and a manager.**

SQL> SELECT ENAME FROM SAPNA WHERE JOB='CLERK' AND JOB='MANAGER';

no rows selected

1. **How many employees are there whose names start with ‘A’?**

SQL> SELECT ENAME FROM SAPNA WHERE ENAME LIKE 'A%';

ENAME

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

ALLEN

1. **Find the location of the letter ‘K’ in the name Blake.**

SQL> SELECT INSTR('BLAKE','K') FROM DUAL;

INSTR('BLAKE','K')

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

4

1. **Select those employees, who have joined on or before 31st December 1982 and is a clerk.**

SQL> SELECT \* FROM SAPNA WHERE JOB='CLERK' AND HIREADATE<=TO\_DATE('31-DEC-1982','DD-MM-YYYY');

EMPNO ENAME JOB HIREADATE MGR SAL COMM DEPTNO

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7369 SMITH CLERK 17-DEC-80 7902 800 0 20

1. **In which location the letter R is present in MARTIN?**

SQL> SELECT INSTR('MARTIN','R') FROM DUAL;

INSTR('MARTIN','R')

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3

1. **Replace the name KING with KONG (use replace function).**

SQL> SELECT REPLACE('KINGKONG','KING','KONG')FROM DUAL;

REPLACE(

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KONGKONG

1. **Display the name of the employees in a manner, so that they are right aligned and the title, ‘Mr.’ is added at the beginning of their names.**

SQL> update sapna set ename=concat('mr. ',ename);

7 rows updated.

1. **Find the first letter of the name of the employee who is getting salary 800.**

SQL> SELECT SUBSTR(ENAME,1) FROM SAPNA WHERE SAL=800;

SUBSTR(ENAME,1)

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

mr. SMITH

1. **Display the first name of the employees in small letters and jobs of the employees in CAPITAL letters.**

SQL> SELECT LOWER(ENAME),UPPER(JOB) FROM SAPNA;

LOWER(ENAME) UPPER(JOB)

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mr.smith CLERK

mr.allen SALESMAN

mr.ward SALESMAN

mr.jones MANAGER

mr.martin SALESMAN

mr.blake MANAGER

mr.clark MANAGER

7 rows selected.

1. **For how many months Smith is working in the company? (Hint: select months\_between(sysdate, doj))**

SQL> SELECT(MONTHS\_BETWEEN(SYSDATE,HIREADATE)/12) AS EXPERIENCE FROM SAPNA WHERE ENAME= 'mr. smith';

EXPERIENCE

----------

43.6551026

1. **What is the experience of the employee whose empno is 7654?**

SQL> SELECT(MONTHS\_BETWEEN(SYSDATE,HIREADATE)/12) AS EXPERIENCE FROM SAPNA WHERE EMPNO=7654;

EXPERIENCE

----------

42.874983

1. **Find out in which year Blake has joined the company.**

SQL> SELECT EXTRACT(YEAR FROM HIREADATE)FROM SAPNA WHERE ENAME='BLAKE';

EXTRACT(YEARFROMHIREADATE)

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1981s