1. Write a procedure for the following.

a. To accept employee number , delete the record of the given

employee.

```
  1  create or replace procedure insert_into(eno number)
  2  as
  3  begin
  4  delete from emp where empno=eno;
  5* end;
SQL> /

Procedure created.
```

BEFORE

```
     EMPNO ENAME      JOB              MGR HIREDATE         SAL       COMM     DEPTNO     NETSAL
---------- ---------- --------- ---------- --------- ---------- ---------- ---------- ----------
      7369 SMITH      CLERK           7902 17-DEC-80        800                    20       1000
      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300         30       1000
      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500         30       1000
      7566 JONES      MANAGER         7839 02-APR-81       2975                    20       1000
      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400         30       1000
      7698 BLAKE      MANAGER         7839 01-MAY-81       2850                    30       1000
      7782 CLARK      MANAGER         7839 09-JUN-81       2450                    10       1000
      7788 SCOTT      ANALYST         7566 09-DEC-82       3000                    20       1000
      7839 KING       PRESIDENT            17-NOV-81       5000                    10       1000
      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0         30       1000
      7876 ADAMS      CLERK           7788 12-JAN-83       1100                    20       1000
      7900 JAMES      CLERK           7698 03-DEC-81        950                    30       1000
      7902 FORD       ANALYST         7566 03-DEC-81       3000                    20       1000
      7934 MILLER     CLERK           7782 23-JAN-82       1300                    10       1000

14 rows selected.
```

AFTER

```
SQL> execute insert_into(7369);

PL/SQL procedure successfully completed.

SQL> select * from emp;

     EMPNO ENAME      JOB              MGR HIREDATE         SAL       COMM     DEPTNO     NETSAL
---------- ---------- --------- ---------- --------- ---------- ---------- ---------- ----------
      7499 ALLEN      SALESMAN        7698 20-FEB-81       1600        300         30       1000
      7521 WARD       SALESMAN        7698 22-FEB-81       1250        500         30       1000
      7566 JONES      MANAGER         7839 02-APR-81       2975                    20       1000
      7654 MARTIN     SALESMAN        7698 28-SEP-81       1250       1400         30       1000
      7698 BLAKE      MANAGER         7839 01-MAY-81       2850                    30       1000
      7782 CLARK      MANAGER         7839 09-JUN-81       2450                    10       1000
      7788 SCOTT      ANALYST         7566 09-DEC-82       3000                    20       1000
      7839 KING       PRESIDENT            17-NOV-81       5000                    10       1000
      7844 TURNER     SALESMAN        7698 08-SEP-81       1500          0         30       1000
      7876 ADAMS      CLERK           7788 12-JAN-83       1100                    20       1000
      7900 JAMES      CLERK           7698 03-DEC-81        950                    30       1000
      7902 FORD       ANALYST         7566 03-DEC-81       3000                    20       1000
      7934 MILLER     CLERK           7782 23-JAN-82       1300                    10       1000

13 rows selected.
```

b. To accept grade,losal and hisal and insert a record into

salgrad table

```
  1  create or replace procedure insert_into(g in number, l in number, h in number)
  2  as
  3  begin
  4  insert into salgrade
  5  values(g,l,h);
  6* end;
SQL> /

Procedure created.

SQL> select * from salgrade;

     GRADE      LOSAL      HISAL
---------- ---------- ----------
         1        700       1200
         2       1201       1400
         3       1401       2000
         4       2001       3000
         5       3001       9999

SQL> execute insert_into(6,10000,15000);

PL/SQL procedure successfully completed.

SQL> select * from salgrade;

     GRADE      LOSAL      HISAL
---------- ---------- ----------
         1        700       1200
         2       1201       1400
         3       1401       2000
         4       2001       3000
         5       3001       9999
         6      10000      15000

6 rows selected.
```

2. Write functions to perform the following.

a. Calculate experience of the employee

```
  1  create or replace function calc_exp(h date)
  2  return number
  3  as
  4  begin
  5  return round(months_between(sysdate,h)/12);
  6* end;
SQL> /

Function created.
```

```
  1  select hiredate,calc_exp(hiredate)
  2* from emp
SQL> /

HIREDATE  CALC_EXP(HIREDATE)
--------- ------------------
20-FEB-81                  43
22-FEB-81                  43
02-APR-81                  43
28-SEP-81                  42
01-MAY-81                  42
09-JUN-81                  42
09-DEC-82                  41
17-NOV-81                  42
08-SEP-81                  42
12-JAN-83                  41
03-DEC-81                  42
03-DEC-81                  42
23-JAN-82                  42

13 rows selected.

SQL>
```

b. Ti calculate net sal by using formula.

Netsal=sal+da+hra-pf+comm

Da-→ 10% sal hra→ 15% sal pf --→ 8 % of sal

```
  1  create or replace function net_sal(s number,c number)
  2    return number
  3    as
  4    begin
  5       return s*1.33 + c;
  6*  end;
SQL> /

Function created.

SQL> select empno,sal,nvl(comm,0),net_sal(sal,nvl(comm,0))
  2  net_salary
  3  from emp;

     EMPNO        SAL NVL(COMM,0) NET_SALARY
---------- ---------- ---------- ----------
      7521       1250        500     2162.5
      7566       2975          0    3956.75
      7654       1250       1400     3062.5
      7698       2850          0     3790.5
      7782       2450          0     3258.5
      7788       3000          0       3990
      7839       5000          0       6650
      7844       1500          0       1995
      7876       1100          0       1463
      7900        950          0     1263.5
      7902       3000          0       3990
      7934       1300          0       1729

12 rows selected.

SQL>
```