

# SQL Exercise 7

## ASSORTED

1. Create Emp table containing a Sal column with the following sample data:-

```
EMP
-----
SAL
-----
8000
7000
6000
5000
10000
9000
4000
8000
7000
```

Write a SELECT statement to display the Overall 5<sup>th</sup> largest Sal.  
Assuming the above data, the Overall 5<sup>th</sup> largest Sal would be 6000.

```
select distinct * from emp_227 e1 where 5=(select count(distinct sal) from
emp_227 e2 where e1.sal<=e2.sal)
```

2. For the above table, write a SELECT statement to display the Largest and Second largest Sals. Your output should be as below:-

| FIRST | SECOND |
|-------|--------|
| ----- | -----  |
| 10000 | 9000   |

```
select * from
(select max(sal) Largest from emp_227),
(select max(sal) Second from emp_227
where sal<>(select max(sal) from emp_227));
```

3. Create Emp table containing an Empno column with the following sample data:-

```
EMP
-----
EMPNO
-----
1
1
2
3
3
4
4
4
5
6
```

Write a DELETE statement to delete the duplicate rows. After running your Delete statement, one occurrence of each value of Empno should remain in the table.

```
DELETE FROM
  emp_227_1 A
WHERE
  A.rowid >
  ANY (
    SELECT
      B.rowid
    FROM
      emp_227_1 B
    WHERE
      A.empno = B.empno
  );
```

4. Create Emp table containing an Empno column with the following sample data:-

```
EMP
-----
EMPNO
-----
1
5
9
14
20
25
```

Write a SELECT statement to display the range of missing numbers. Your output should be as follows:-

```
MISSING
-----
2 – 4
6 – 8
10 – 13
15 – 19
21 – 24
```

Don't assume that the existing data in the table is sorted.

5. Create Bank table containing Debit and Credit columns with the following sample data:-

```
BANK
-----
DEBIT      CREDIT
-----
5000       3000
6000       5000
4000       2000
```

Write a SELECT statement to display the cumulative Balance (Debit – Credit). Your output should be as below:-

```
Balance
-----
2000
3000
5000
```

6. Write a SELECT statement to display the experience of all the employees (Sysdate – Hiredate). Your output should be as follows:-

5 years 7 months 11 days  
9 years 3 months 16 days  
etc.

Don't assume that there are 365 days in a year or that there are 30 days in a month. Your solution should even take care of leap years.

7. Write a SELECT statement to achieve Number to Word conversion. You have to spell out the Salaries of all the employees. Your solution should work up to Rs. 5 million. Ignore paise.