

## LAB 7

### 1. Nesting Functions

```
postgres=# select upper(substring('Hello World!',1,5));
upper
-----
HELLO
```

```
postgres=# select round (sqrt(55));
round
-----
      7
```

### 2. COALESCE Function (NVL Function)

```
postgres=# select COALESCE(emp_salary,0) from salary;
coalesce
-----
 15000
      0
 20000
 50000
      0
```

```
postgres=# select COALESCE(manager_id::varchar,first_name) from employee;
coalesce
-----
John
1
1
2
Sarah
3
1
2
Laura
4
```

### 3. CASE Statement (NVL2 Function)

```
postgres=# select case when emp_salary is not null then 'Salary is not null'
else 'Salary is null' end from salary;
case
-----
Salary is not null
Salary is null
Salary is not null
Salary is not null
Salary is null
```

```

postgres=# select case when manager_id is not null then emp_id else salary e
nd from employee;
 salary
-----
 5000.00
   7831
   7837
   7838
11000.00
   7840
   7842
   7843
 5500.00
   7845

```

#### 4. CASE Statement (DECODE Statement)

```

postgres=# select case when dept_no = 20 then 'Software Engineer' when dept_no = 30 then 'Data Scientist' when dept_no =
10 then 'Manager' else 'Employee' end from employee;
 case
-----
Manager
Software Engineer
Data Scientist
Software Engineer
Employee
Data Scientist
Employee
Software Engineer
Manager
Employee

```