

## Stored Function

### Assignment 4.2

**1) Create a function which takes department name as parameter and return the no of employee working in that department.**

```
delimiter //

drop function if exists numEmp//

create function numEmp(d_no int) returns int deterministic
begin
declare num int;

select count(deptno) into num from emp where deptno=d_no group by deptno;

return num;

end//

select numEmp(20)//
```

**2) Write function to return the department no having more than five employees deterministic //**

```
drop function if exists getDept//

create function getDept() returns int deterministic
begin
declare dept int;
declare c int;

select deptno, count(*) into dept, c from emp group by deptno having count(*) > 5 ;

return dept;

end//

select getDept() as DeptNo//
```

**3)write a function to return the employee who is earning second max salary from a perticular department.**

**A) with fuction:**

```
delimiter //
```

```
drop function if exists getsecmax//
```

```
create function getsecmax(d_no int) returns varchar(20) deterministic
```

```
begin
```

```
declare d_name varchar(20);
```

```
select ename into d_name from emp where (sal,deptno)
```

```
in (select max(sal),deptno from emp where sal<(select max(sal) from emp where  
deptno=d_no) and deptno=d_no);
```

```
return d_name;
```

```
end//
```

```
select getsecmax(10)//
```

**B) with procedure :**

```
delimiter //
```

```
drop procedure if exists getsecmax//
```

```
create procedure getsecmax(in d_no int)
```

```
begin
```

```
declare d_name varchar(20);
```

```
select ename into d_name from emp where (sal,deptno)
```

```
in (select max(sal),deptno from emp where sal<(select max(sal) from emp where  
deptno=d_no) and deptno=d_no);
```

```
select d_name;
```

```
end//
```

```
call getsecmax(10)//
```

**4)write a function to return the employee who is having maximum experience from the emp table.**

```
delimiter //  
drop function if exists experience//  
create function experience() returns varchar(20) deterministic  
begin  
declare e_name varchar(20);  
select ename into e_name from emp having min(hiredate);  
return e_name;  
end//  
select experience() as Employee //
```