

SQL SERVER

Alter Supplier table with Check Constraint

```
alter table Supplier
add constraint contact check
(LEN([contact])=10)
go
```

WORKER AND ADMIN DEPARTMENT

```
select  d.deptname as "Worker Department",d.location as Location,e.deptname as "Manager
Department"
from Department d
join Department e
on d.admrdept=e.deptno
and d.admrdept!=d.deptno
order by d.deptname
;
go
```

EMPLOYEE WITH REPORTING MANAGER

```
select concat(a.lastname," works for ",b.lastname) as Hierarchy
from (select e.lastname,e.empno,e.job,d.mgrno from Employee e
join Department d on e.workdept=d.deptno) as a join
(select e.lastname,e.empno,e.job,d.mgrno from Employee e
join Department d on e.workdept=d.deptno) as b
on a.mgrno=b.empno
where a.mgrno!=a.empno
order by a.lastname;
go
```

Procedure to display the Employees of a specific Department

```
create proc EmployeesDept(@Deptno varchar) as
begin
    select lastname as Name from
    Employee
    where workdept='D21'
end
go
```

Procedure to display all the Departments

```
create proc AvailableDepartments as
begin
    select deptname as Name from
    Department
end
go
```

. Employees working in New York

```
select e.firstname,e.lastname,e.salary
from Employee e
join Department d on
e.workdept=d.deptno
where d.location="New York"
order by e.firstname
go
```

Employee Count per Department

```
Create procedure EmployeeCount
(
  @deptno char(3),
  @total_employees int output
)
As
Begin
  select @total_employees = count(empno) from employee where
    workdept = @deptno

Return @total_employees
End
Go
```