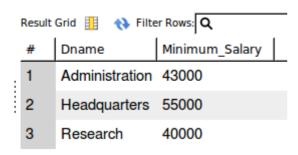
A) select Fname from Employee order by Fname asc;

#	Fname
1	Ahmed
2	Alicia
3	Franklin
4	James
5	Jennifer
6	John
7	Joyce
8	Ramesh

B) select Dname,MAX(Salary) as Maximum_Salary from Employee inner join Department on Employee.Dno= Department.Dnumber group by Dname;



C) select Dname,Min(Salary) as Minimum_Salary from Employee inner join Department on Employee.Dno= Department.Dnumber where Dno!= 1 group by Dname;

#	Dname	Minimum_Salary	
1	Administration	25000	
2	Research	25000	

D)
select Distinct Dno As Available_Dno
from Department inner join Employee
on Employee.Dno = Department.Dnumber;

#	Available_Dno
1	4
2	5
3	1

E) select Dno As Unavailable_Dno from Employee where Dno NOT IN(select Dnumber from Department);

#	Unavailable_Dno	
---	-----------------	--

F) select concat(Fname,' ',Minit,' ',Lname) as Name,Salary from Employee where Salary>(select Salary from Employee where fname ="John");

#	Name	Salary
1	Franklin T Wong	40000
2	James E Borg	55000
3	Jennifer S Wallace	43000
4	Ramesh K Narayan	38000

G)
select concat(Fname,' ',Minit,' ',Lname) as Name,Salary from Employee
where Salary>
(select min(Salary) from Employee where Fname like 'R%');

#	Name	Salary
1	Franklin T Wong	40000
2	James E Borg	55000
3	Jennifer S Wallace	43000

H)
select concat(e.Fname,' ',e.Minit,' ',e.Lname) as Employee_Name,
concat(s.Fname,' ',s.Minit,' ',s.Lname) as Superviser_Name
from Employee e LEFT OUTER JOIN Employee s on e.Super_Ssn = s.Ssn;

#	Employee_Name	Superviser_Name	
1	John B Smith	Franklin T Wong	
2	Joyce A English	Franklin T Wong	
3	Ramesh K Narayan	Franklin T Wong	
4	Franklin T Wong	James E Borg	
5	Jennifer S Wallace	James E Borg	
6	Ahmed V Jabbar	Jennifer S Wallace	
7	Alicia J Zelaya	Jennifer S Wallace	
8	James E Borg	NULL	

I)
select concat(e.Fname,' ',e.Minit,' ',e.Lname) as Employee_Name,
concat(s.Fname,' ',s.Minit,' ',s.Lname) as Superviser_Name
from Employee e RIGHT OUTER JOIN Employee's on e.Super_Ssn = s.Ssn;

#	Employee_Name	Superviser_Name
1	Ahmed V Jabbar	Jennifer S Wallace
2	Alicia J Zelaya	Jennifer S Wallace
3	Franklin T Wong	James E Borg
4	Jennifer S Wallace	James E Borg
5	John B Smith	Franklin T Wong
6	Joyce A English	Franklin T Wong
7	Ramesh K Narayan	Franklin T Wong
8	NULL	Ahmed V Jabbar
9	NULL	Alicia J Zelaya
10	NULL	John B Smith
11	NULL	Joyce A English
12	NULL	Ramesh K Nara

J)
select concat(e.Fname,' ',e.Minit,' ',e.Lname) as Employee_Name,
concat(s.Fname,' ',s.Minit,' ',s.Lname) as Superviser_Name
from Employee e LEFT OUTER JOIN Employee s on e.Super_Ssn = s.Ssn
UNION
select concat(e.Fname,' ',e.Minit,' ',e.Lname) as Employee_Name,
concat(s.Fname,' ',s.Minit,' ',s.Lname) as Superviser_Name
from Employee e RIGHT OUTER JOIN Employee s on e.Super_Ssn = s.Ssn;

#	Employee_Name	Superviser_Name
1	John B Smith	Franklin T Wong
2	Joyce A English	Franklin T Wong
3	Ramesh K Narayan	Franklin T Wong
4	Franklin T Wong	James E Borg
5	Jennifer S Wallace	James E Borg
6	Ahmed V Jabbar	Jennifer S Wallace
7	Alicia J Zelaya	Jennifer S Wallace
8	James E Borg	NULL
9	NULL	Ahmed V Jabbar
10	NULL	Alicia J Zelaya
11	NULL	John B Smith
12	NULL	Joyce A English
13	NULL	Ramesh K Nara