1)

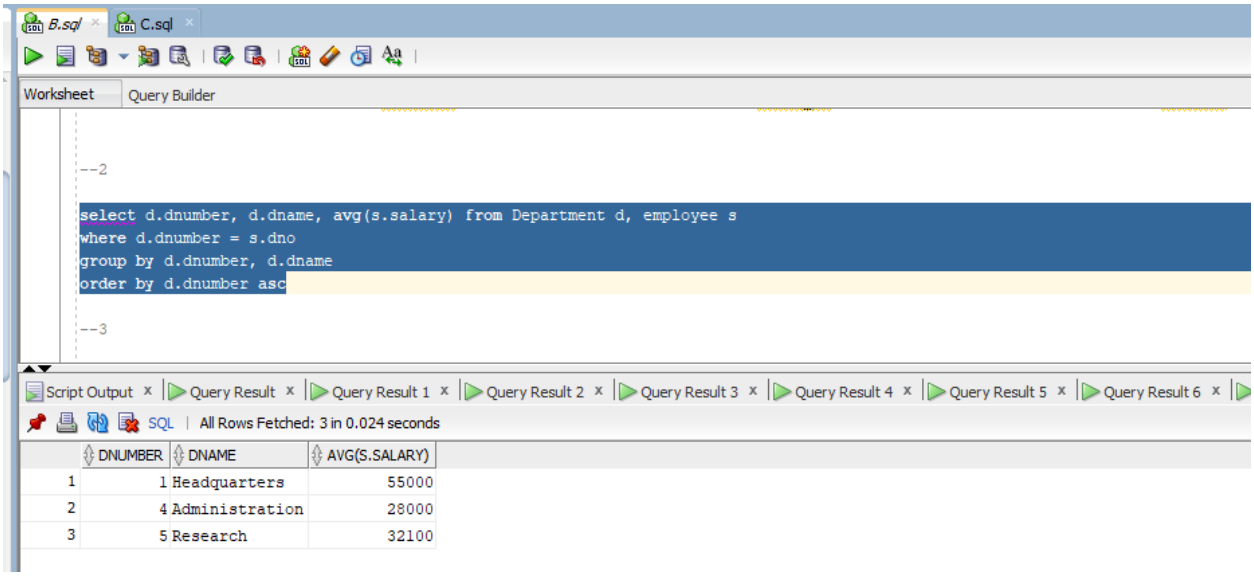
```
--1

Select Fname, Minit, Lname from Employee where ssn in (select essn from Works_On where pno in (select pnumber from Project))
```

Script Output | Query Result | Query Result 1 | Query Result 2 | Query Result 3 | Query Result 4 | Query Result 5 | Query Result 6 | Query Result 7

All Rows Fetched: 7 in 0.052 seconds

	FNAME	MINIT	LNAME
1	James	E	Borg
2	Jennifer	S	Wallace
3	Franklin	T	Wong
4	John	B	Smith
5	Alicia	J	Zelaya
6	Joyce	A	English
7	Ahmad	V	Jabbar

2)



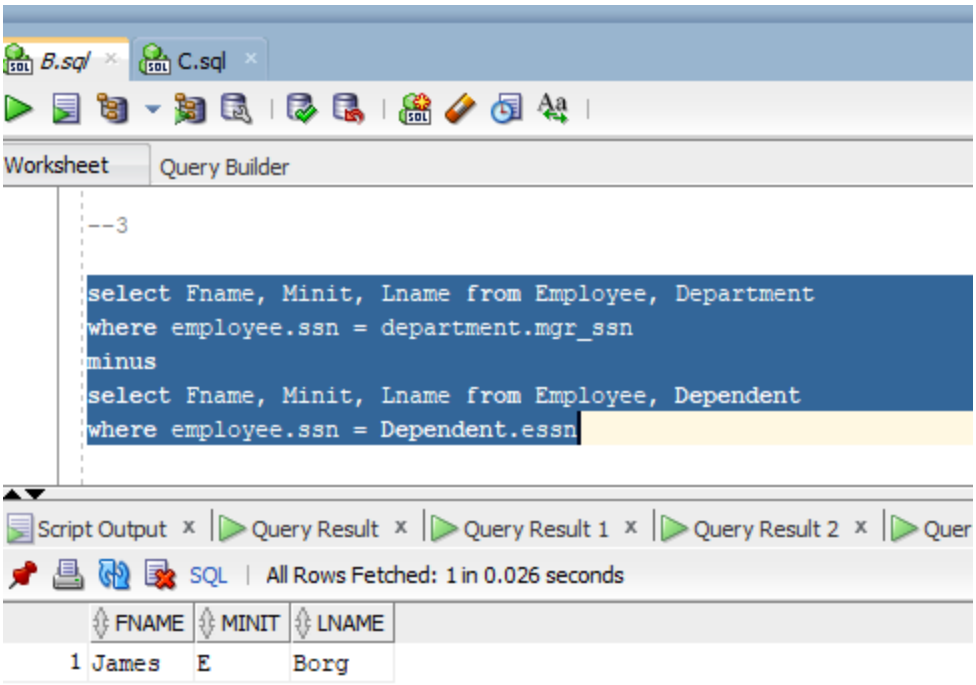
```
--2

select d.dnumber, d.dname, avg(s.salary) from Department d, employee s
where d.dnumber = s.dno
group by d.dnumber, d.dname
order by d.dnumber asc

--3
```

Script Output | Query Result | Query Result 1 | Query Result 2 | Query Result 3 | Query Result 4 | Query Result 5 | Query Result 6

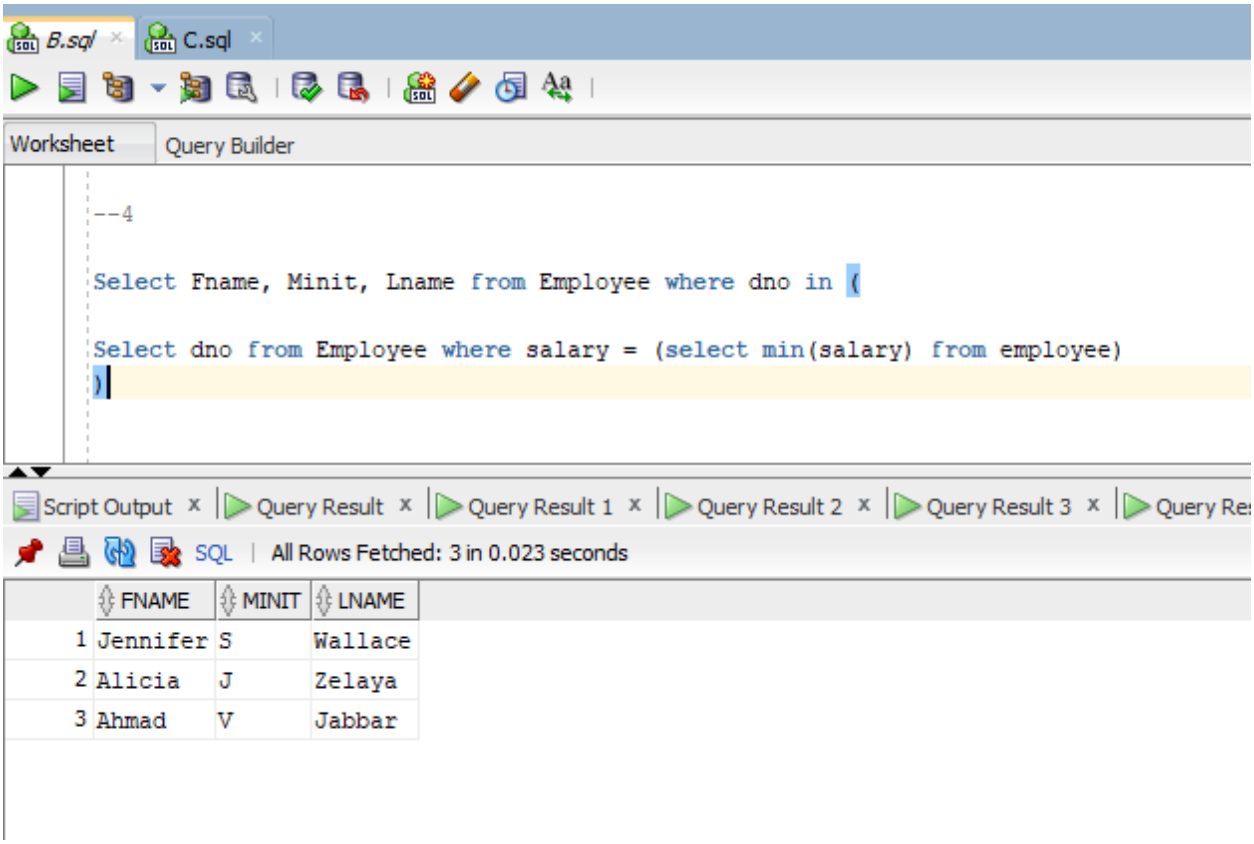
All Rows Fetched: 3 in 0.024 seconds

	DNUMBER	DNAME	AVG(S.SALARY)
1	1	Headquarters	55000
2	4	Administration	28000
3	5	Research	32100

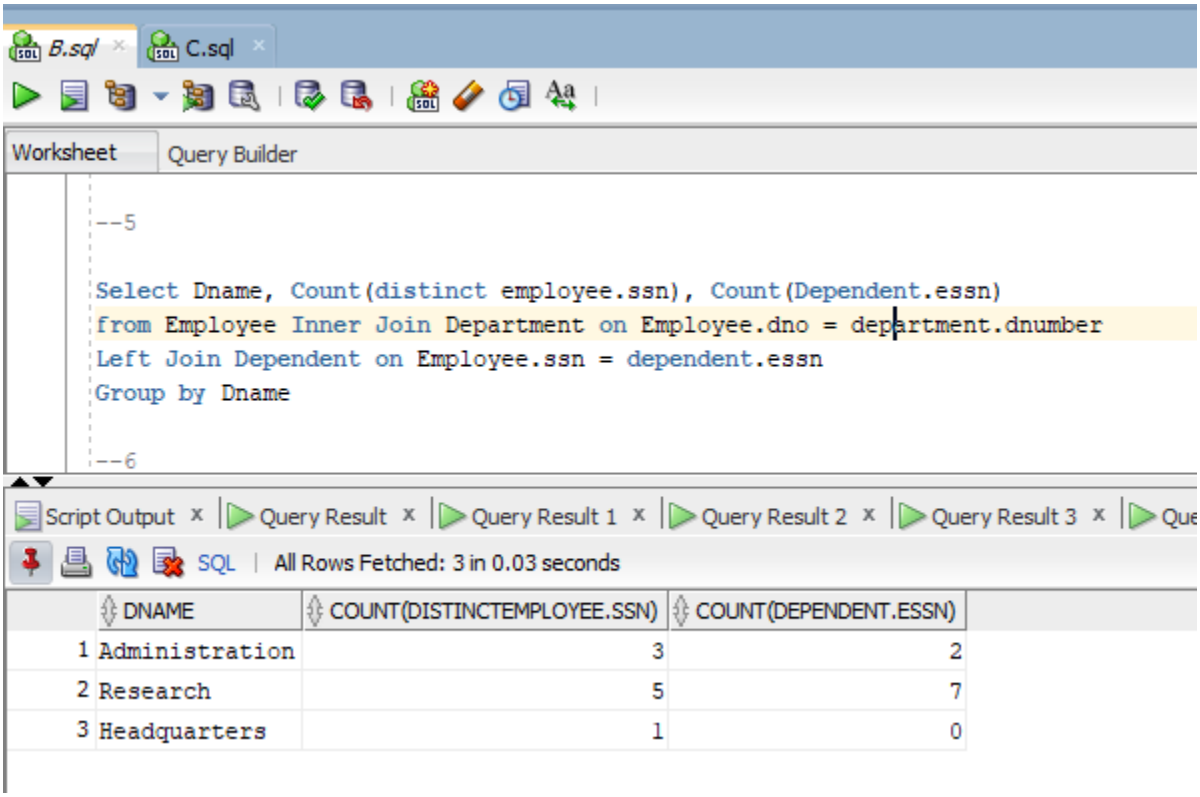
3)


B.sql
C.sql
Worksheet
Query Builder
--3
select Fname, Minit, Lname from Employee, Department
where employee.ssn = department.mgr_ssn
minus
select Fname, Minit, Lname from Employee, Dependent
where employee.ssn = Dependent.essn
Script Output
Query Result
Query Result 1
Query Result 2
SQL
All Rows Fetched: 1 in 0.026 seconds
FNAME MINIT LNAME
1 James E Borg

4)

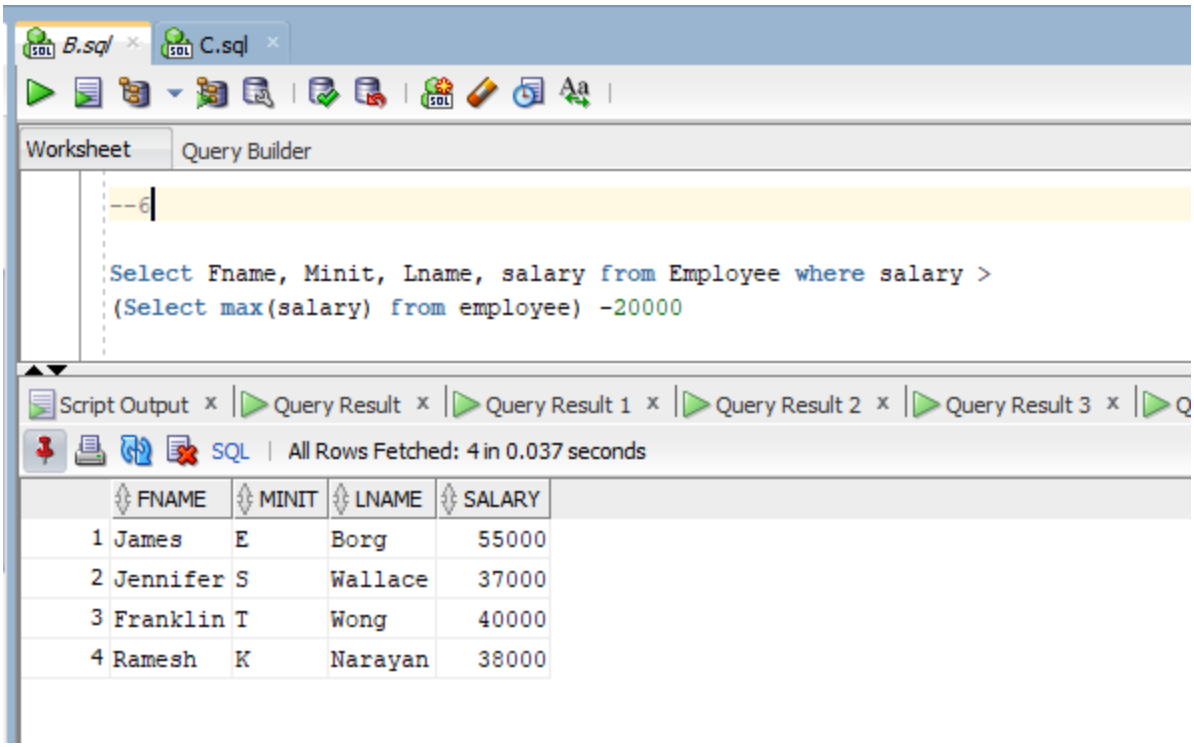

B.sql
C.sql
Worksheet
Query Builder
--4
Select Fname, Minit, Lname from Employee where dno in (
Select dno from Employee where salary = (select min(salary) from employee)
)
Script Output
Query Result
Query Result 1
Query Result 2
Query Result 3
SQL
All Rows Fetched: 3 in 0.023 seconds
FNAME MINIT LNAME
1 Jennifer S Wallace
2 Alicia J Zelaya
3 Ahmad V Jabbar

5)



	DNAME	COUNT(DISTINCTEMPLOYEE.SSN)	COUNT(DEPENDENT.ESSN)
1	Administration	3	2
2	Research	5	7
3	Headquarters	1	0

6)


B.sql
C.sql
Worksheet
Query Builder
--6
Select Fname, Minit, Lname, salary from Employee where salary >
(Select max(salary) from employee) -20000
Script Output
Query Result
Query Result 1
Query Result 2
Query Result 3
SQL
All Rows Fetched: 4 in 0.037 seconds
FNAME MINIT LNAME SALARY
1 James E Borg 55000
2 Jennifer S Wallace 37000
3 Franklin T Wong 40000
4 Ramesh K Narayan 38000