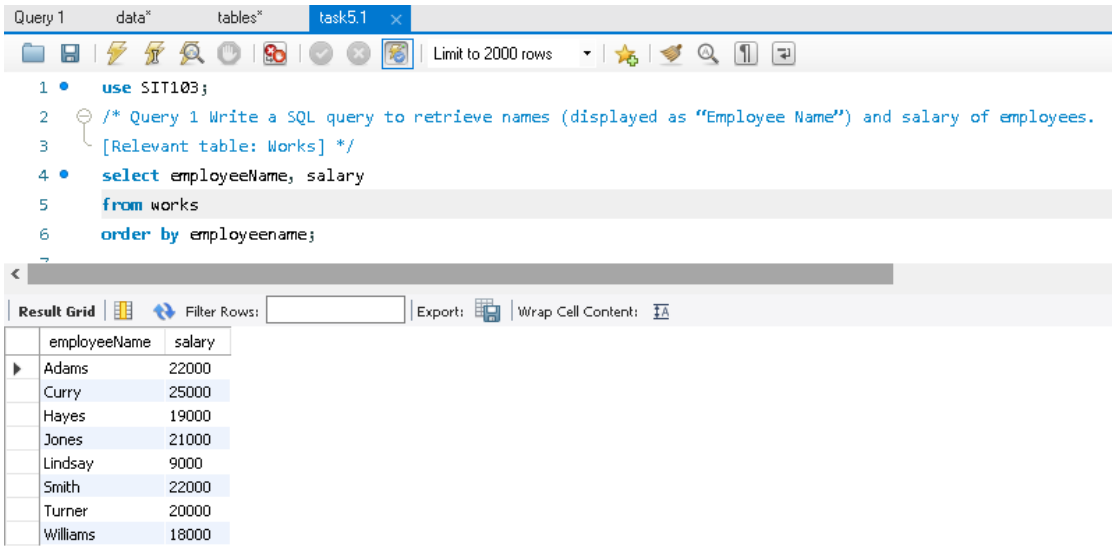
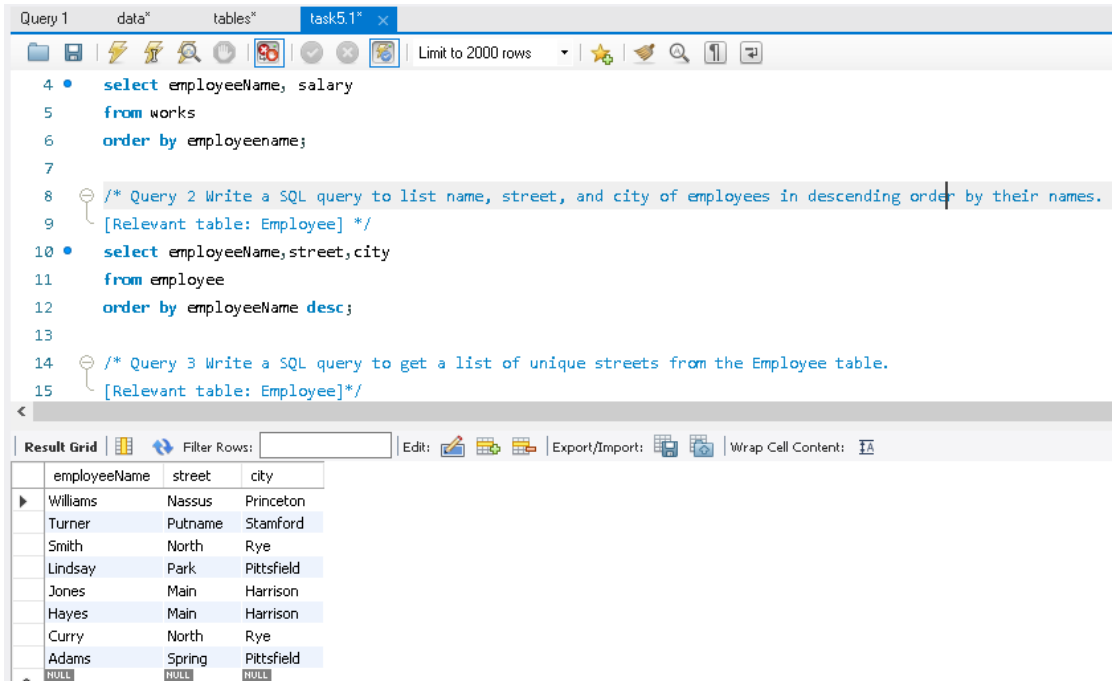
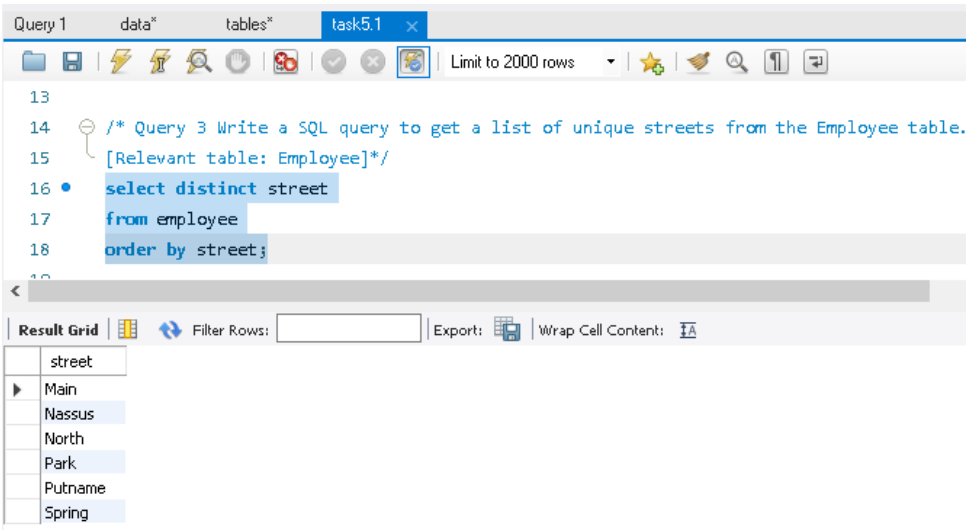
Q1


Query 1
data*
tables*
task5.1
Limit to 2000 rows
use SIT103;
/* Query 1 Write a SQL query to retrieve names (displayed as "Employee Name") and salary of employees.
[Relevant table: Works] */
select employeeName, salary
from works
order by employeename;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
employeeName salary
Adams 22000
Curry 25000
Hayes 19000
Jones 21000
Lindsay 9000
Smith 22000
Turner 20000
Williams 18000

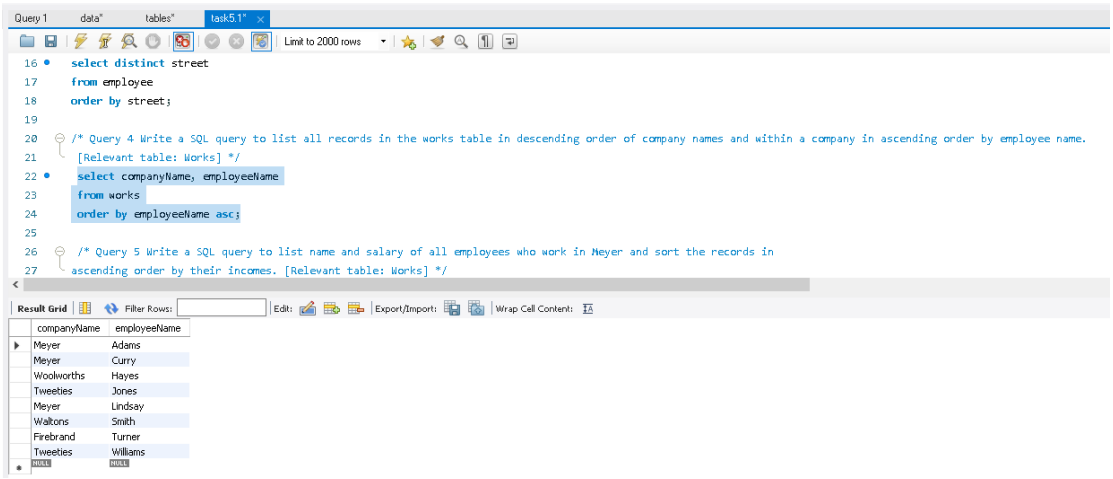
Q2


Query 1
data*
tables*
task5.1*
Limit to 2000 rows
select employeeName, salary
from works
order by employeename;
/* Query 2 Write a SQL query to list name, street, and city of employees in descending order by their names.
[Relevant table: Employee] */
select employeeName,street,city
from employee
order by employeeName desc;
/* Query 3 Write a SQL query to get a list of unique streets from the Employee table.
[Relevant table: Employee]*/
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
employeeName street city
Williams Nassus Princeton
Turner Putname Stamford
Smith North Rye
Lindsay Park Pittsfield
Jones Main Harrison
Hayes Main Harrison
Curry North Rye
Adams Spring Pittsfield
NULL NULL NULL

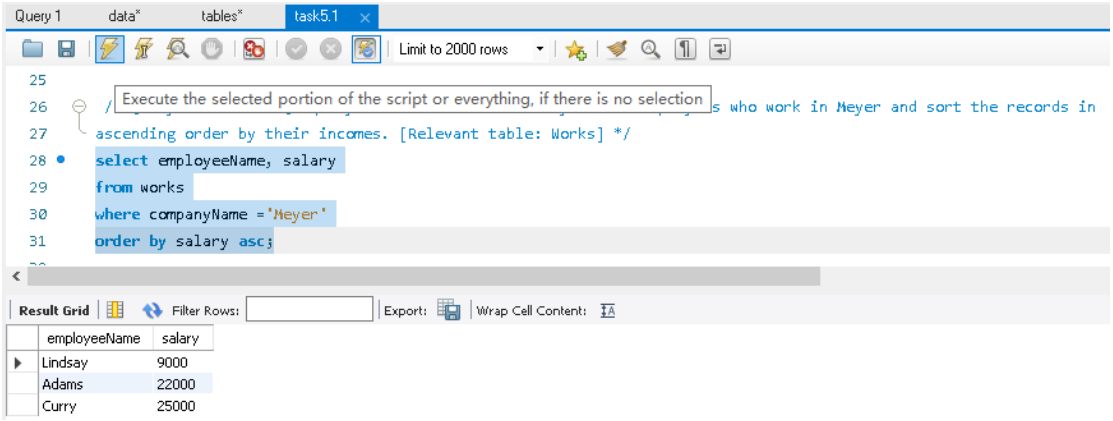
Q3


Query 1
data*
tables*
task5.1
Limit to 2000 rows
/* Query 3 Write a SQL query to get a list of unique streets from the Employee table.
[Relevant table: Employee]*/
select distinct street
from employee
order by street;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
street
Main
Nassus
North
Park
Putname
Spring

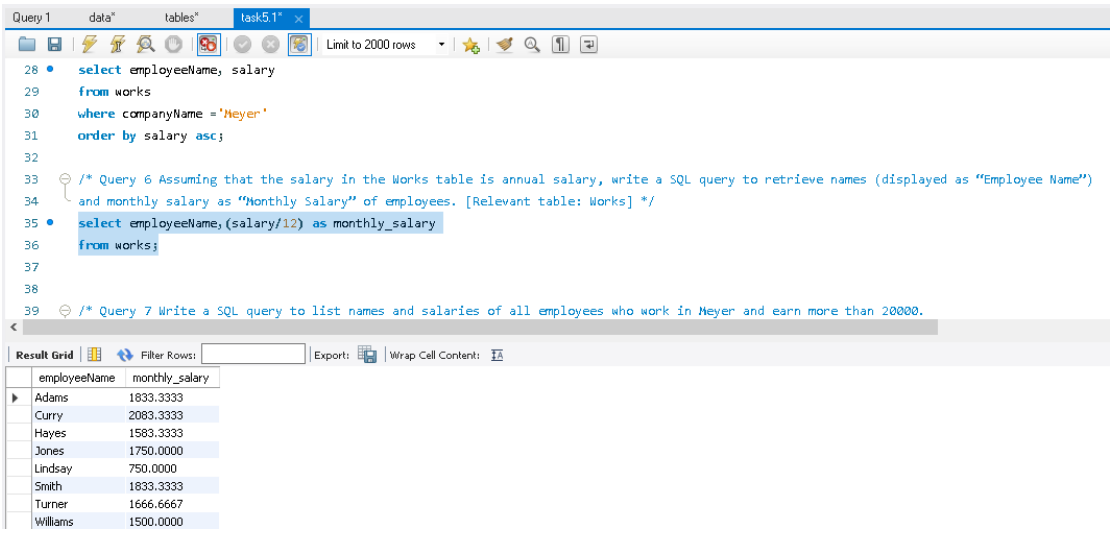
Q4


Query 1
data*
tables*
task5.1*
Limit to 2000 rows
select distinct street
from employee
order by street;
/* Query 4 Write a SQL query to list all records in the works table in descending order of company names and within a company in ascending order by employee name.
[Relevant table: Works] */
select companyName, employeeName
from works
order by employeeName asc;
/* Query 5 Write a SQL query to list name and salary of all employees who work in Meyer and sort the records in
ascending order by their incomes. [Relevant table: Works] */
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
companyName
employeeName
Meyer
Adams
Meyer
Curry
Woolworths
Hayes
Tweeties
Jones
Meyer
Lindsay
Waltons
Smith
Firebrand
Turner
Tweeties
Williams

Q5


Query 1
data*
tables*
task5.1
Limit to 2000 rows
Execute the selected portion of the script or everything, if there is no selection
ascending order by their incomes. [Relevant table: Works] */
select employeeName, salary
from works
where companyName ='Meyer'
order by salary asc;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
employeeName
salary
Lindsay
9000
Adams
22000
Curry
25000

Q6



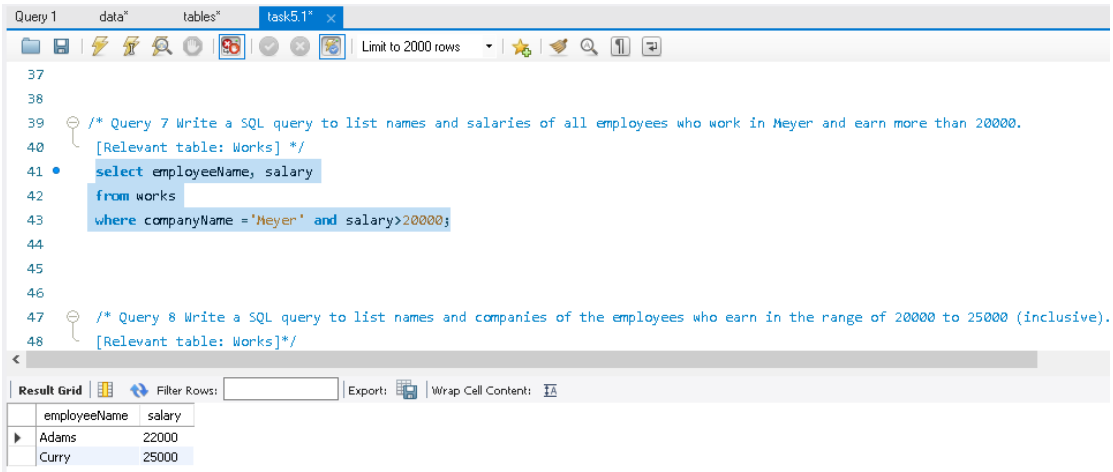
```
select employeeName, salary
from works
where companyName ='Meyer'
order by salary asc;

/* Query 6 Assuming that the salary in the Works table is annual salary, write a SQL query to retrieve names (displayed as "Employee Name")
and monthly salary as "Monthly Salary" of employees. [Relevant table: Works] */
select employeeName,(salary/12) as monthly_salary
from works;


/* Query 7 Write a SQL query to list names and salaries of all employees who work in Meyer and earn more than 20000.
```

employeeName	monthly_salary
Adams	1833.3333
Curry	2083.3333
Hayes	1583.3333
Jones	1750.0000
Lindsay	750.0000
Smith	1833.3333
Turner	1666.6667
Williams	1500.0000

Q7



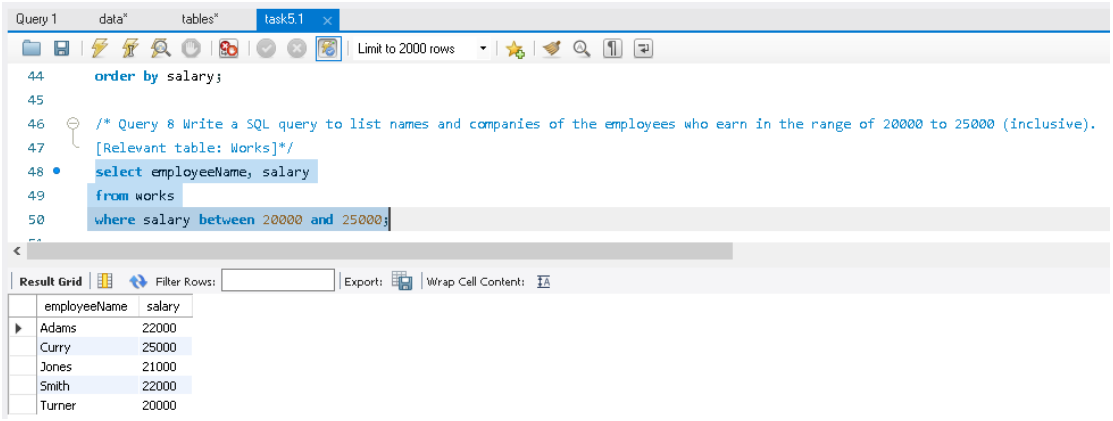
```
/* Query 7 Write a SQL query to list names and salaries of all employees who work in Meyer and earn more than 20000.
   [Relevant table: Works] */
   select employeeName, salary
   from works
   where companyName ='Meyer' and salary>20000;



/* Query 8 Write a SQL query to list names and companies of the employees who earn in the range of 20000 to 25000 (inclusive).
   [Relevant table: Works]*/
```

employeeName	salary
Adams	22000
Curry	25000

Q8

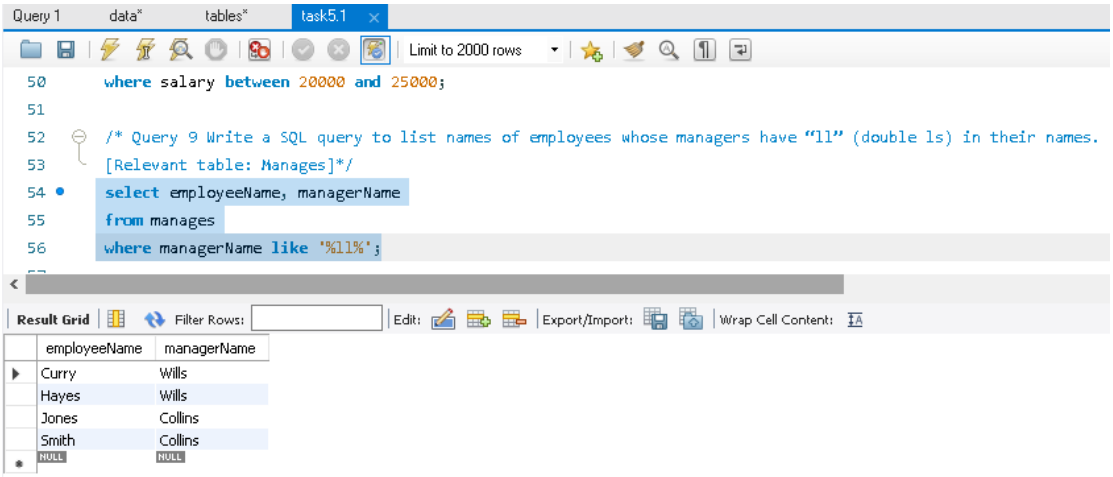


```
   order by salary;

/* Query 8 Write a SQL query to list names and companies of the employees who earn in the range of 20000 to 25000 (inclusive).
   [Relevant table: Works]*/
   select employeeName, salary
   from works
   where salary between 20000 and 25000;
```

employeeName	salary
Adams	22000
Curry	25000
Jones	21000
Smith	22000
Turner	20000

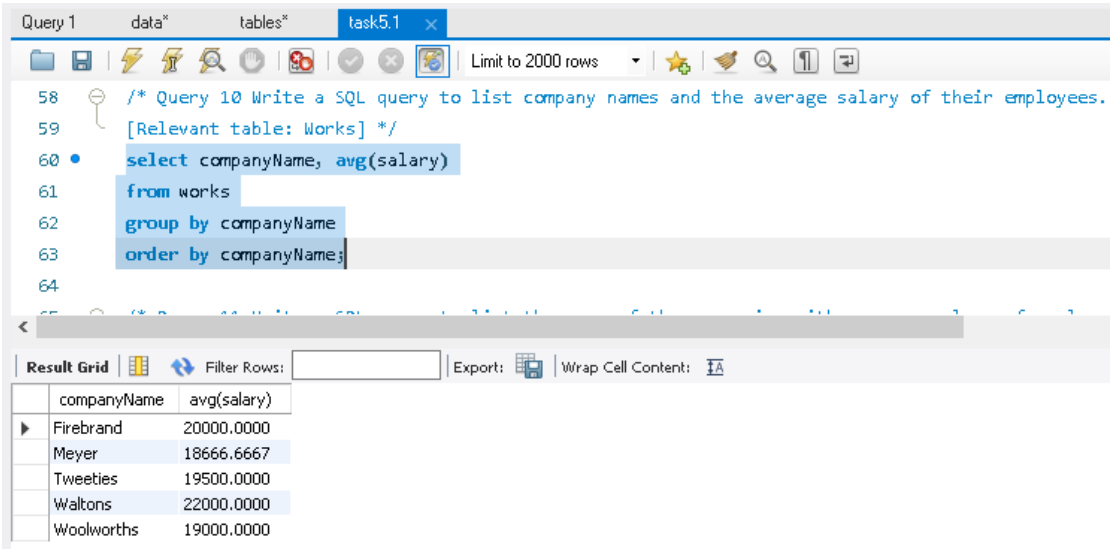
Q9



```
50      where salary between 20000 and 25000;
51
52      /* Query 9 Write a SQL query to list names of employees whose managers have "ll" (double ls) in their names.
53      [Relevant table: Manages]*/
54      select employeeName, managerName
55      from manages
56      where managerName like '%ll%';
```

employeeName	managerName
Curry	Wills
Hayes	Wills
Jones	Collins
Smith	Collins
NULL	NULL

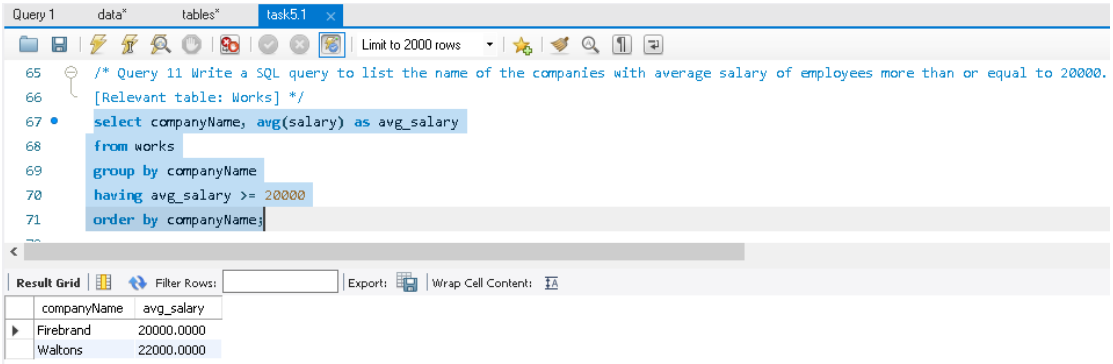
Q10



```
58      /* Query 10 Write a SQL query to list company names and the average salary of their employees.
59      [Relevant table: Works] */
60      select companyName, avg(salary)
61      from works
62      group by companyName
63      order by companyName;
64
```

companyName	avg(salary)
Firebrand	20000.0000
Meyer	18666.6667
Tweeties	19500.0000
Waltons	22000.0000
Woolworths	19000.0000

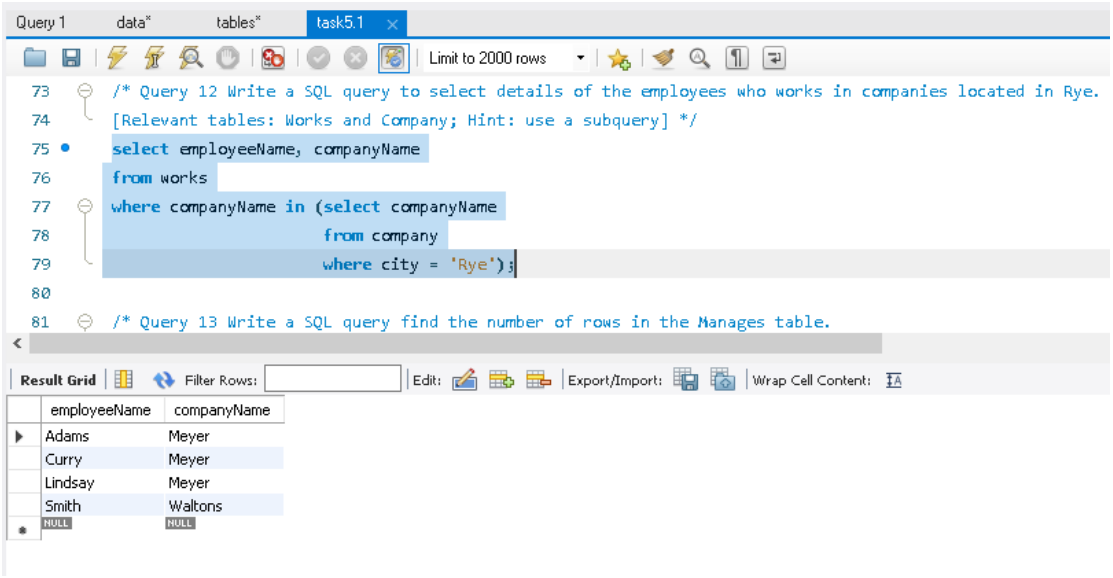
Q11



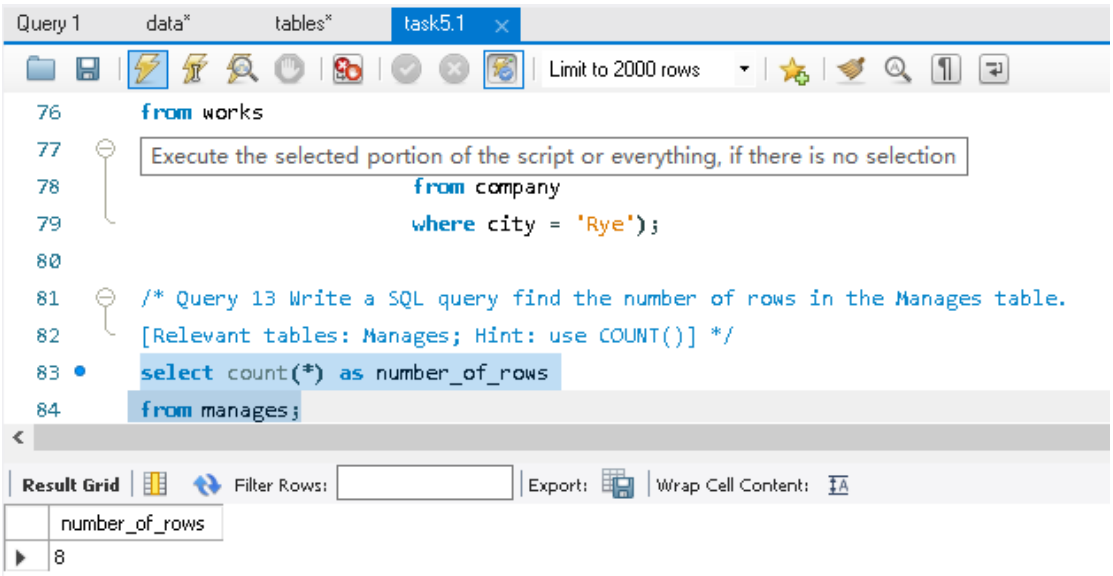
```
65      /* Query 11 Write a SQL query to list the name of the companies with average salary of employees more than or equal to 20000.
66      [Relevant table: Works] */
67      select companyName, avg(salary) as avg_salary
68      from works
69      group by companyName
70      having avg_salary >= 20000
71      order by companyName;
```

companyName	avg_salary
Firebrand	20000.0000
Waltons	22000.0000

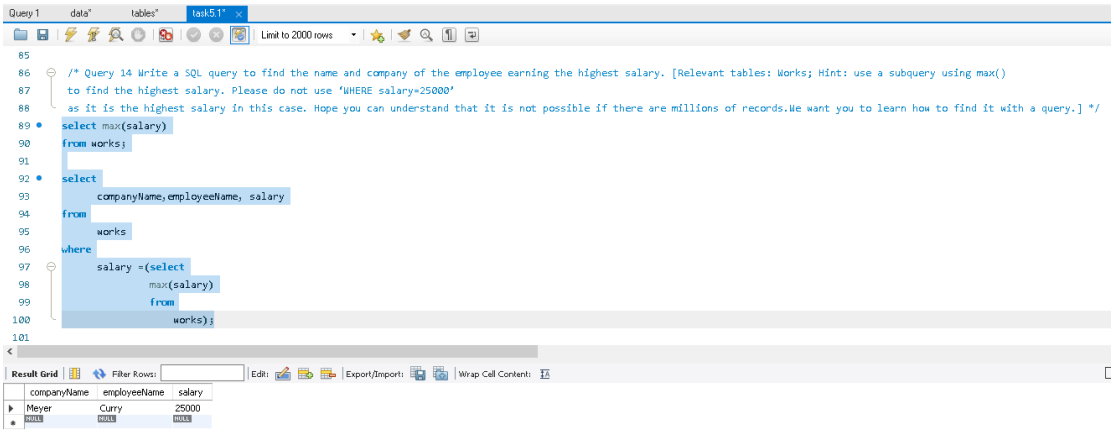
Q12


Query 1
data*
tables*
task5.1
Limit to 2000 rows
/* Query 12 Write a SQL query to select details of the employees who works in companies located in Rye.
[Relevant tables: Works and Company; Hint: use a subquery] */
select employeeName, companyName
from works
where companyName in (select companyName
from company
where city = 'Rye');
/* Query 13 Write a SQL query find the number of rows in the Manages table.
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
employeeName
companyName
Adams
Meyer
Curry
Meyer
Lindsay
Meyer
Smith
Waltons
NULL
NULL

Q13


Query 1
data*
tables*
task5.1
Limit to 2000 rows
from works
Execute the selected portion of the script or everything, if there is no selection
from company
where city = 'Rye');
/* Query 13 Write a SQL query find the number of rows in the Manages table.
[Relevant tables: Manages; Hint: use COUNT()] */
select count(*) as number_of_rows
from manages;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
number_of_rows
8

Q14


/* Query 14 Write a SQL query to find the name and company of the employee earning the highest salary. [Relevant tables: Works; Hint: use a subquery using max()
to find the highest salary. Please do not use 'WHERE salary=25000'
as it is the highest salary in this case. Hope you can understand that it is not possible if there are millions of records.We want you to learn how to find it with a query.] */
select max(salary)
from works;
select
companyName,employeeName, salary
from
works
where
salary =(select
max(salary)
from
works);
companyName
employeeName
salary
Meyer
Curry
25000