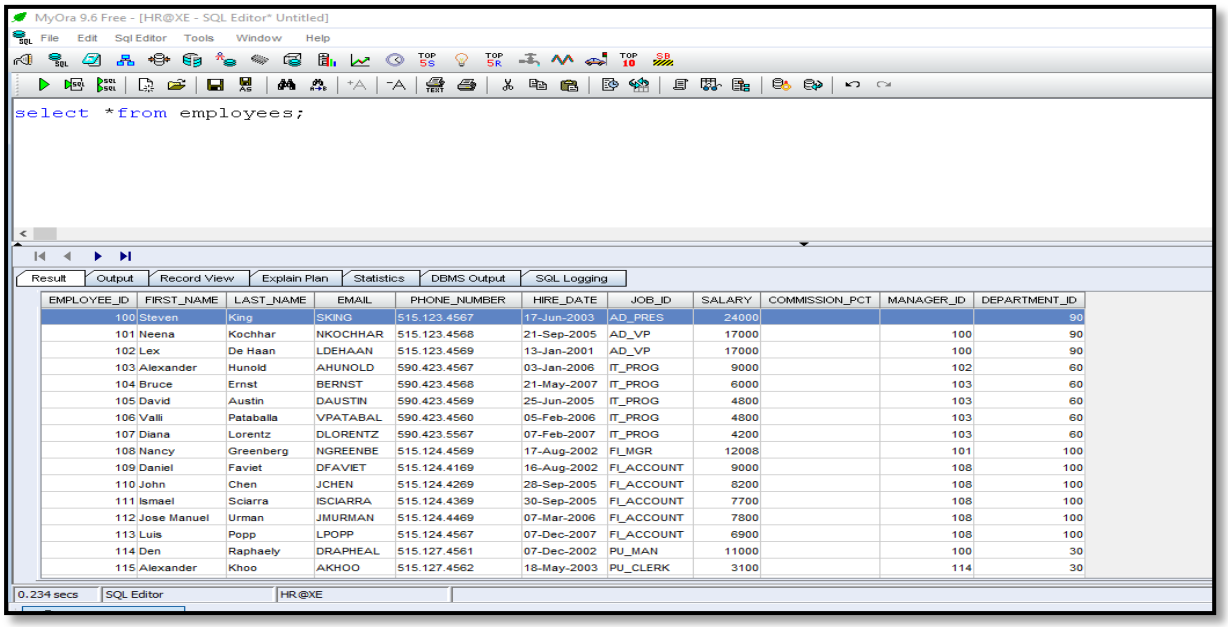
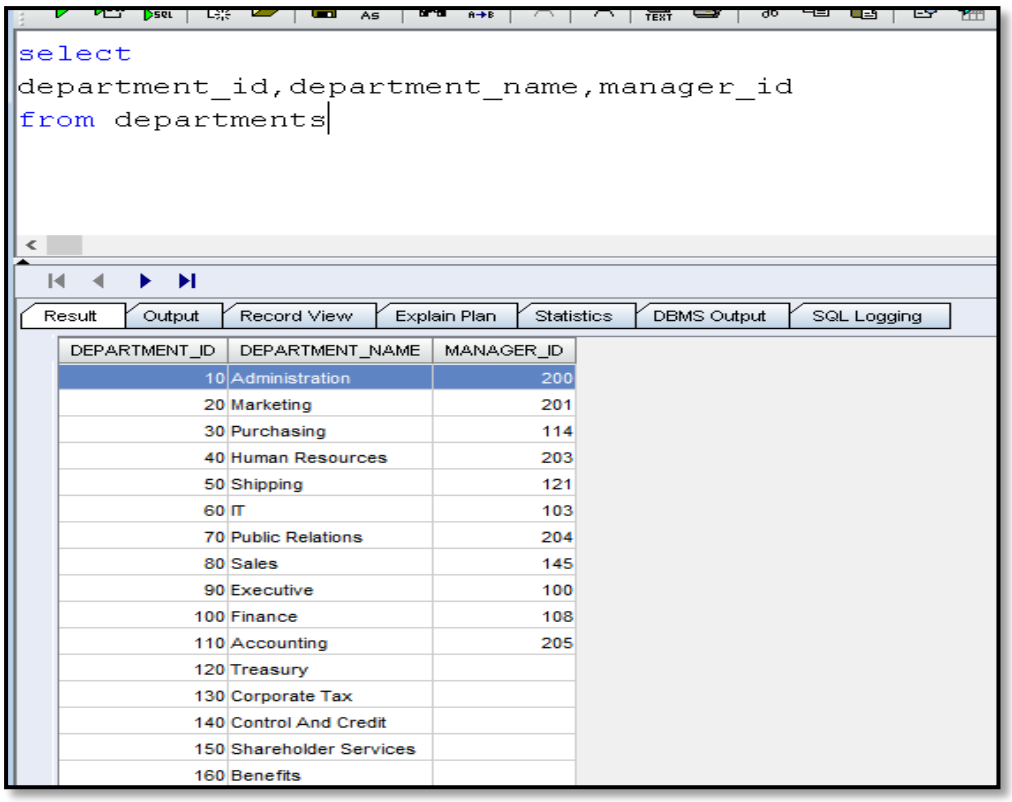
ASSIGNMENT 02

PRN: 220950125020

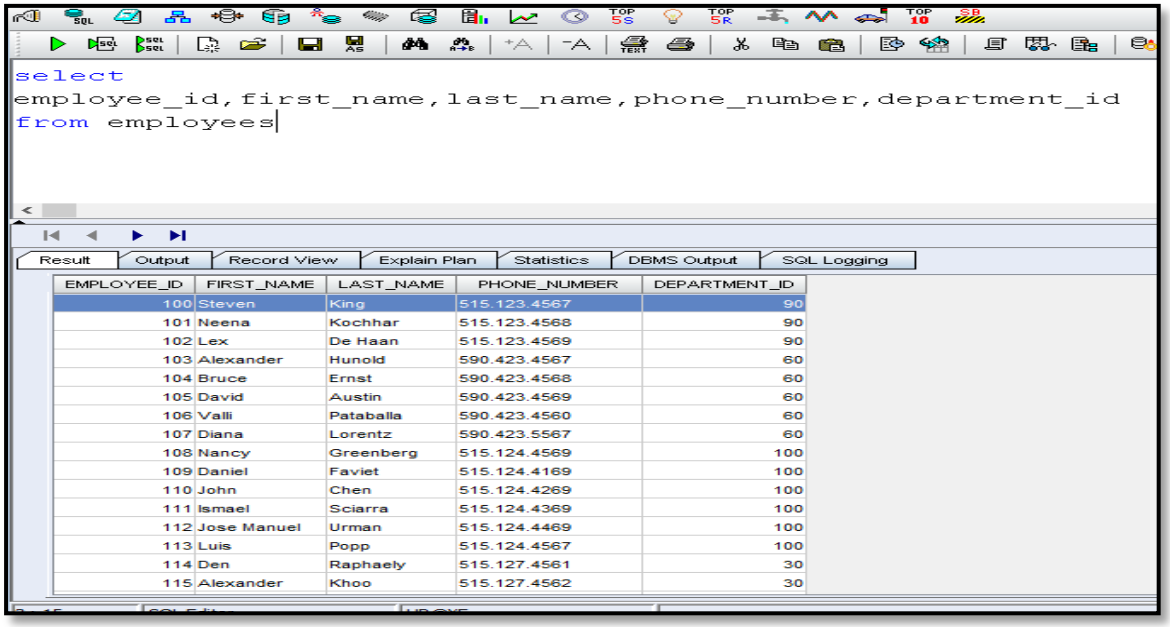
Que. Create a query to display all the data from employee table.



Que. Create a query to display the department number,department name, and manager number



Que. Create a query to display the employee number, first name, last name, phone number and department number

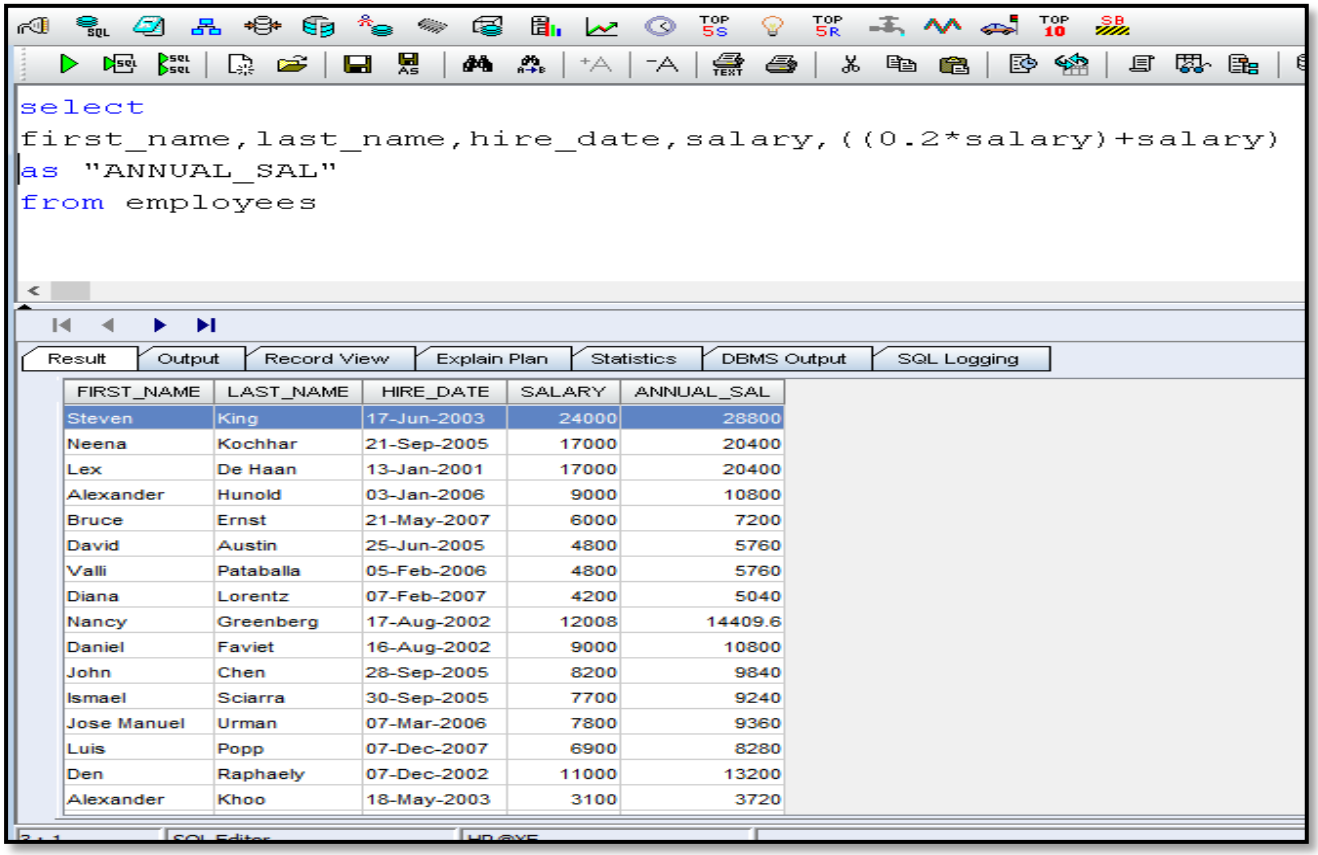


```
select
employee_id,first_name,last_name,phone_number,department_id
from employees
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER	DEPARTMENT_ID
100	Steven	King	515.123.4567	90
101	Neena	Kochhar	515.123.4568	90
102	Lex	De Haan	515.123.4569	90
103	Alexander	Hunold	590.423.4567	60
104	Bruce	Ernst	590.423.4568	60
105	David	Austin	590.423.4569	60
106	Valli	Pataballa	590.423.4560	60
107	Diana	Lorentz	590.423.5567	60
108	Nancy	Greenberg	515.124.4569	100
109	Daniel	Faviet	515.124.4169	100
110	John	Chen	515.124.4269	100
111	Ismael	Sciarra	515.124.4369	100
112	Jose Manuel	Urman	515.124.4469	100
113	Luis	Popp	515.124.4567	100
114	Den	Raphaely	515.127.4561	30
115	Alexander	Khoo	515.127.4562	30

Que. Create a query to display the first name, last name, hire date, salary, and salary after a raise of 20%. Namethe last column (salary after a raise) heading as “ANNUAL_SAL”

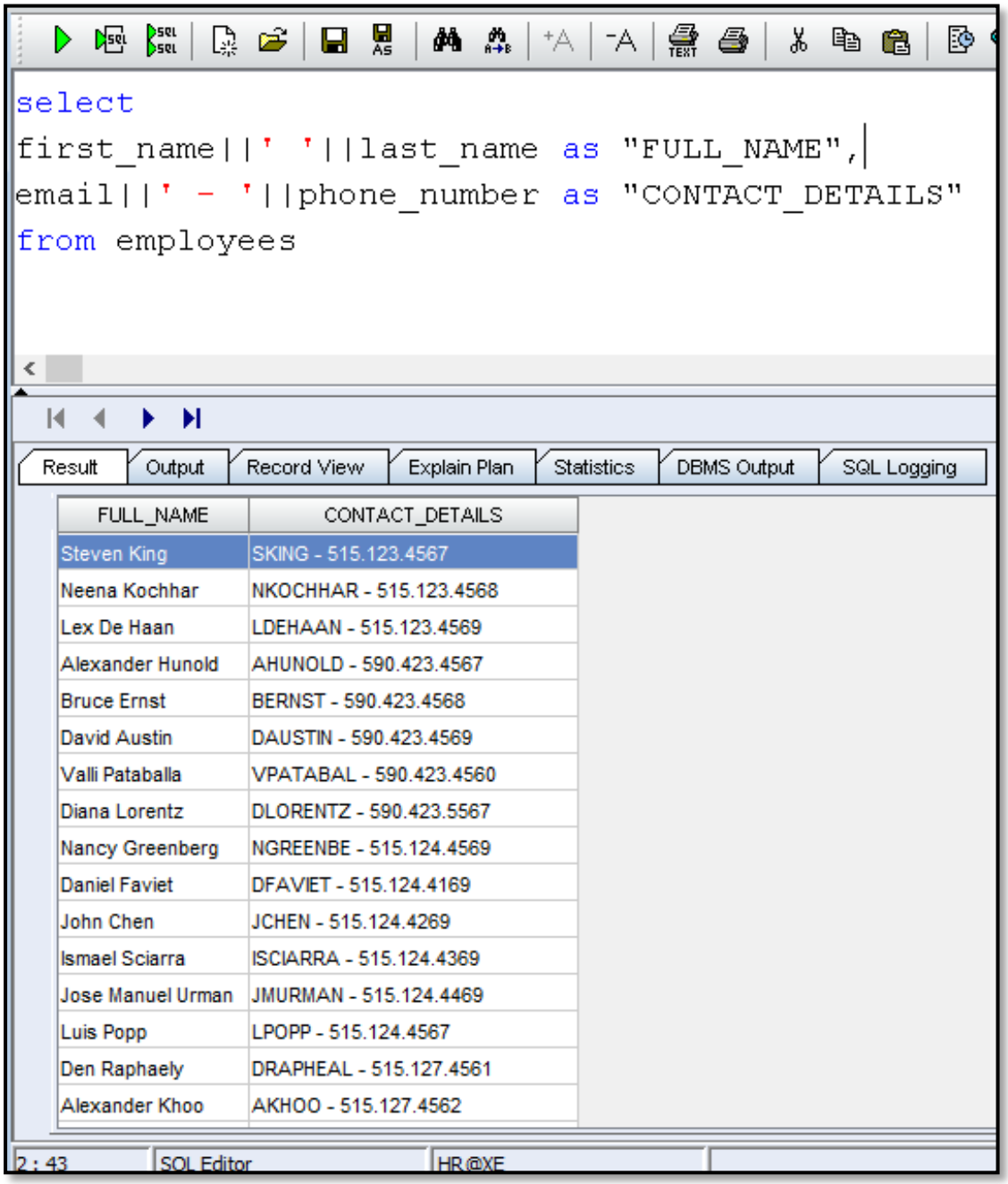


```
select
first_name,last_name,hire_date,salary,((0.2*salary)+salary)
as "ANNUAL_SAL"
from employees
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY	ANNUAL_SAL
Steven	King	17-Jun-2003	24000	28800
Neena	Kochhar	21-Sep-2005	17000	20400
Lex	De Haan	13-Jan-2001	17000	20400
Alexander	Hunold	03-Jan-2006	9000	10800
Bruce	Ernst	21-May-2007	6000	7200
David	Austin	25-Jun-2005	4800	5760
Valli	Pataballa	05-Feb-2006	4800	5760
Diana	Lorentz	07-Feb-2007	4200	5040
Nancy	Greenberg	17-Aug-2002	12008	14409.6
Daniel	Faviet	16-Aug-2002	9000	10800
John	Chen	28-Sep-2005	8200	9840
Ismael	Sciarra	30-Sep-2005	7700	9240
Jose Manuel	Urman	07-Mar-2006	7800	9360
Luis	Popp	07-Dec-2007	6900	8280
Den	Raphaely	07-Dec-2002	11000	13200
Alexander	Khoo	18-May-2003	3100	3720

Que. Create a query to display the last name concatenated with the first name, separated by space, and the telephone number concatenated with the email address, separated by hyphen. Name the column headings “FULL_NAME” and “CONTACT_DETAILS” respectively



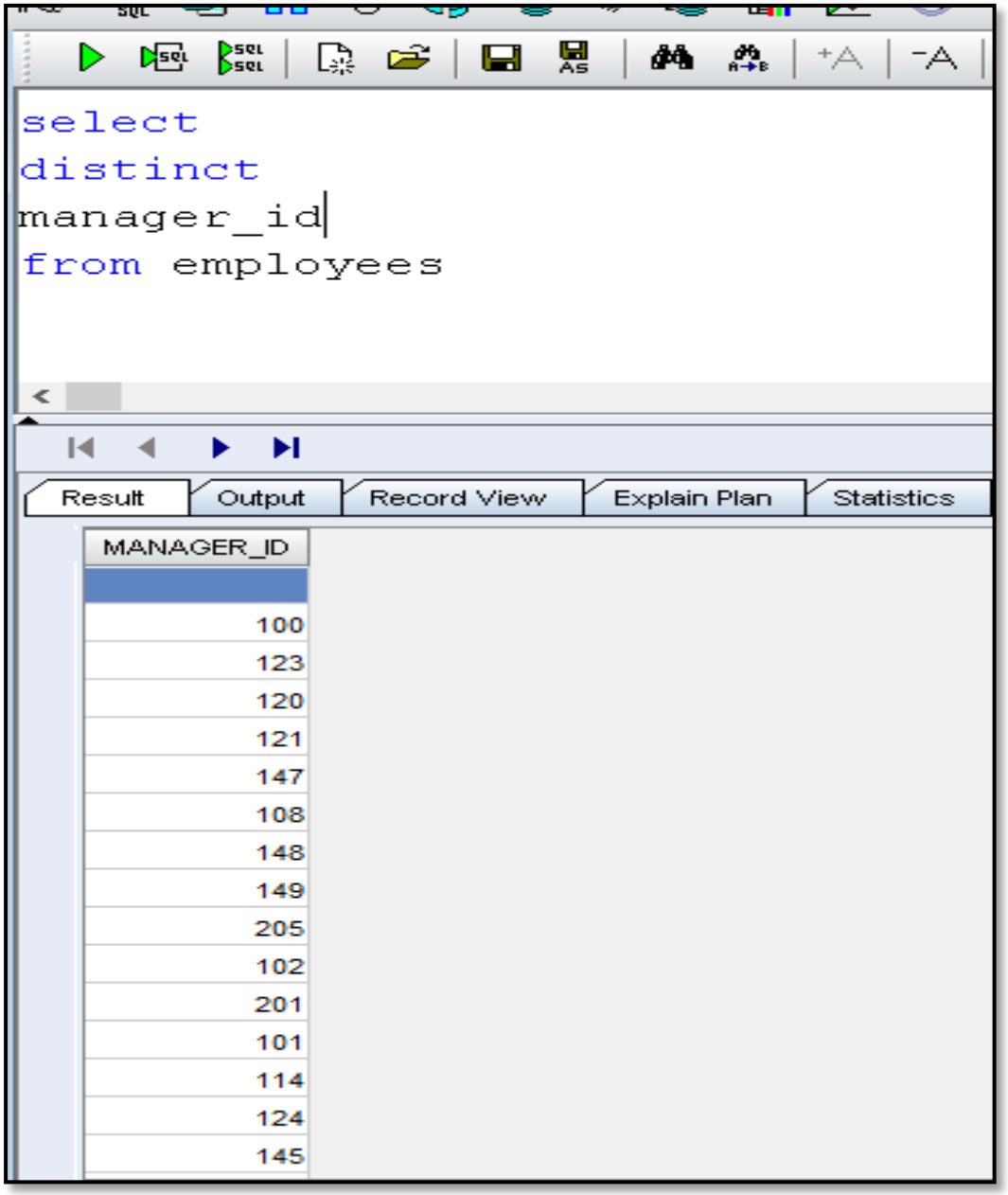
```
select
first_name||' '||last_name as "FULL_NAME",
email||' - '||phone_number as "CONTACT_DETAILS"
from employees
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

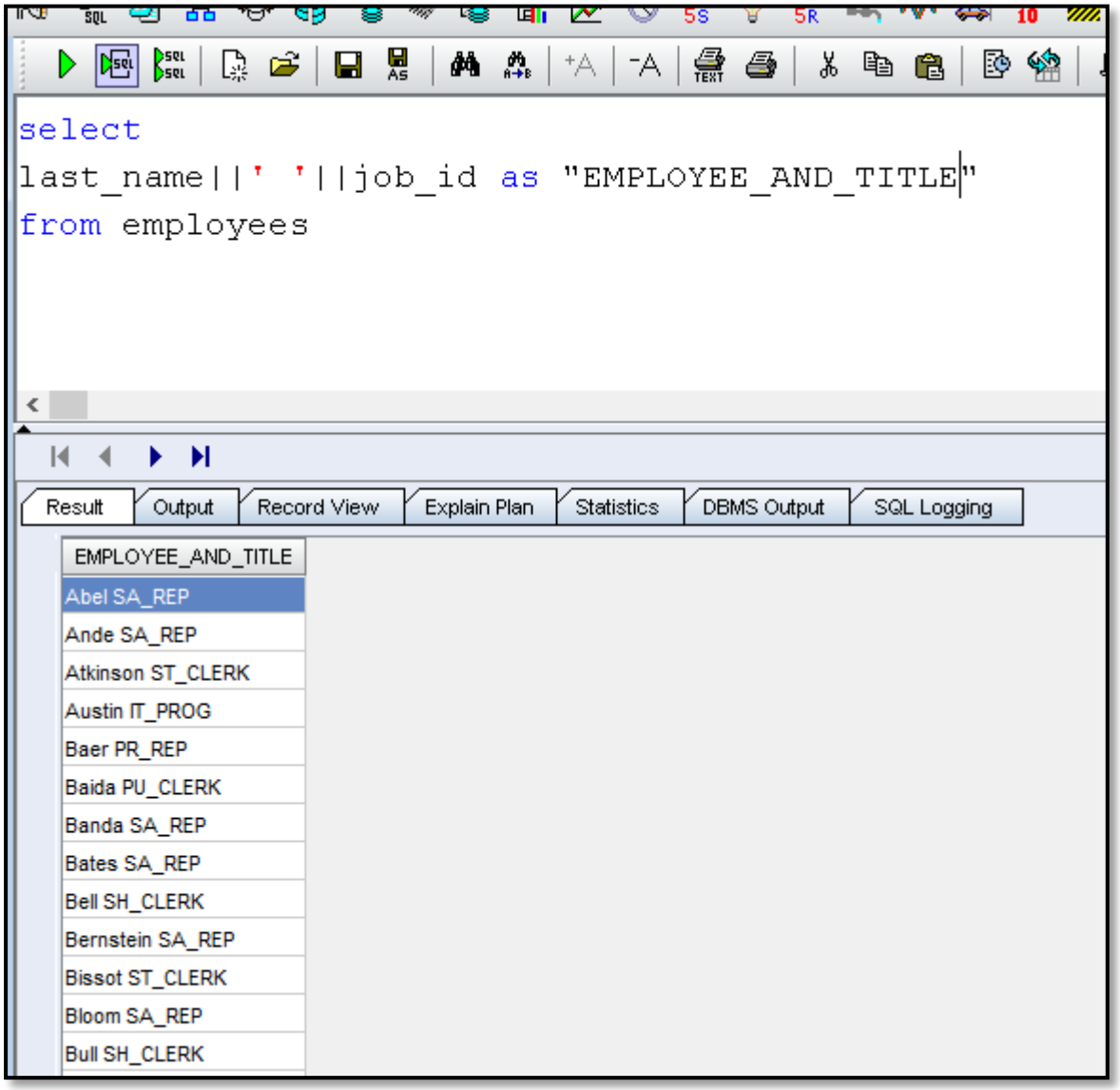
FULL_NAME	CONTACT_DETAILS
Steven King	SKING - 515.123.4567
Neena Kochhar	NKOCHHAR - 515.123.4568
Lex De Haan	LDEHAAN - 515.123.4569
Alexander Hunold	AHUNOLD - 590.423.4567
Bruce Ernst	BERNST - 590.423.4568
David Austin	DAUSTIN - 590.423.4569
Valli Pataballa	VPATABAL - 590.423.4560
Diana Lorentz	DLORENTZ - 590.423.5567
Nancy Greenberg	NGREENBE - 515.124.4569
Daniel Faviet	DFAVIET - 515.124.4169
John Chen	JCHEN - 515.124.4269
Ismael Sciarra	ISCIARRA - 515.124.4369
Jose Manuel Urman	JMURMAN - 515.124.4469
Luis Popp	LPOPP - 515.124.4567
Den Raphaely	DRAPHEAL - 515.127.4561
Alexander Khoo	AKHOO - 515.127.4562

2 : 43 | SQL Editor | HR@XE

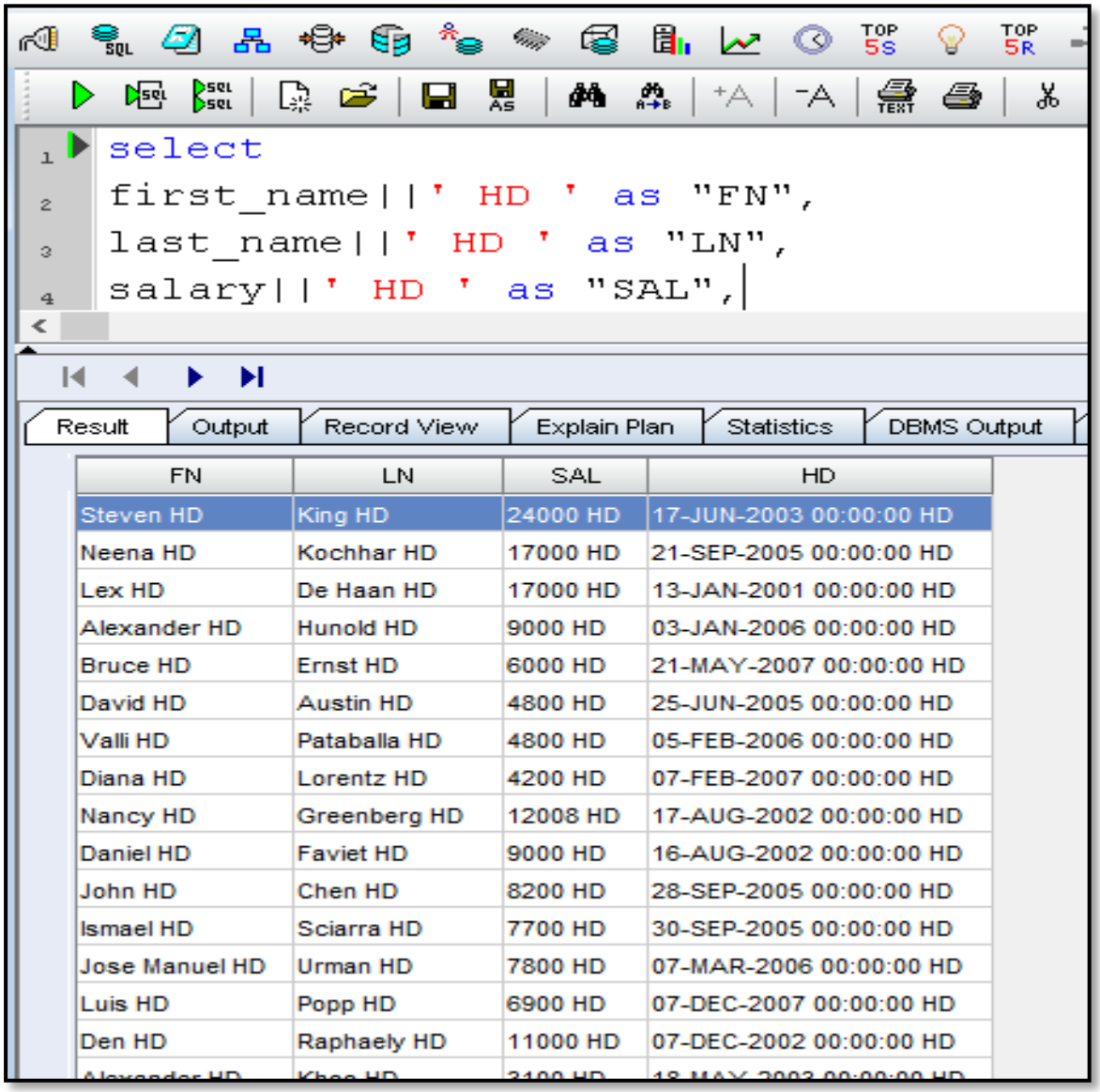
Que. Create a query to display the unique manager numbers from Employees table.



Que. Create a query to display the last name concatenatedwith *job_id* column, separated by space. Name this column heading as “EMPLOYEE_AND_TITLE”



Que. Create a query to display the first name, last name, salary, and hire date concatenated with the literal string “HD”, separated by space. Name the column headings “FN”, “LN”, “SAL”, and “HD” respectively

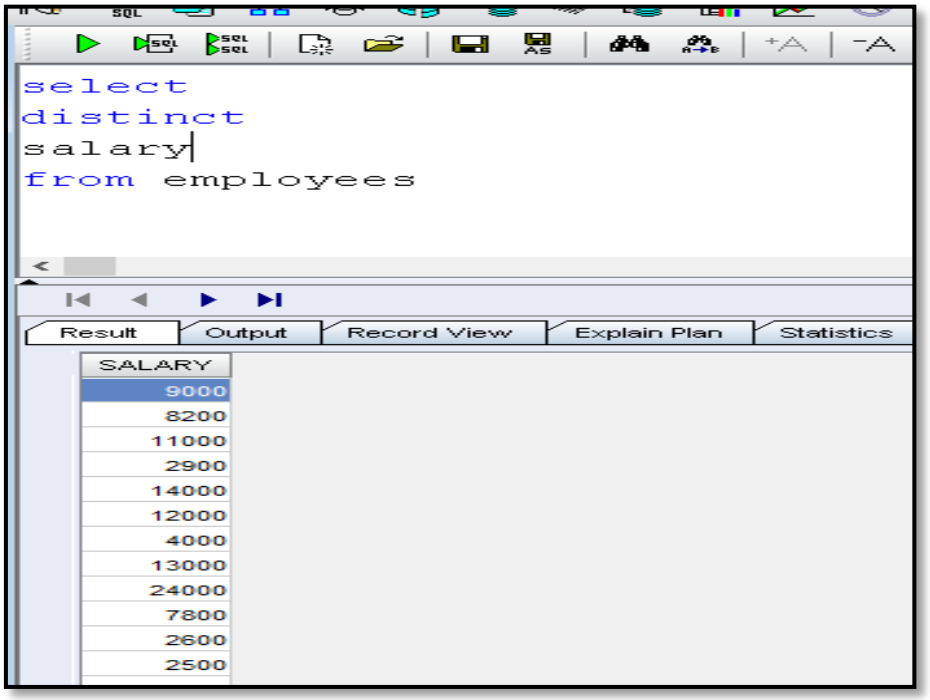


```
select
first_name||' HD ' as "FN",
last_name||' HD ' as "LN",
salary||' HD ' as "SAL",
```

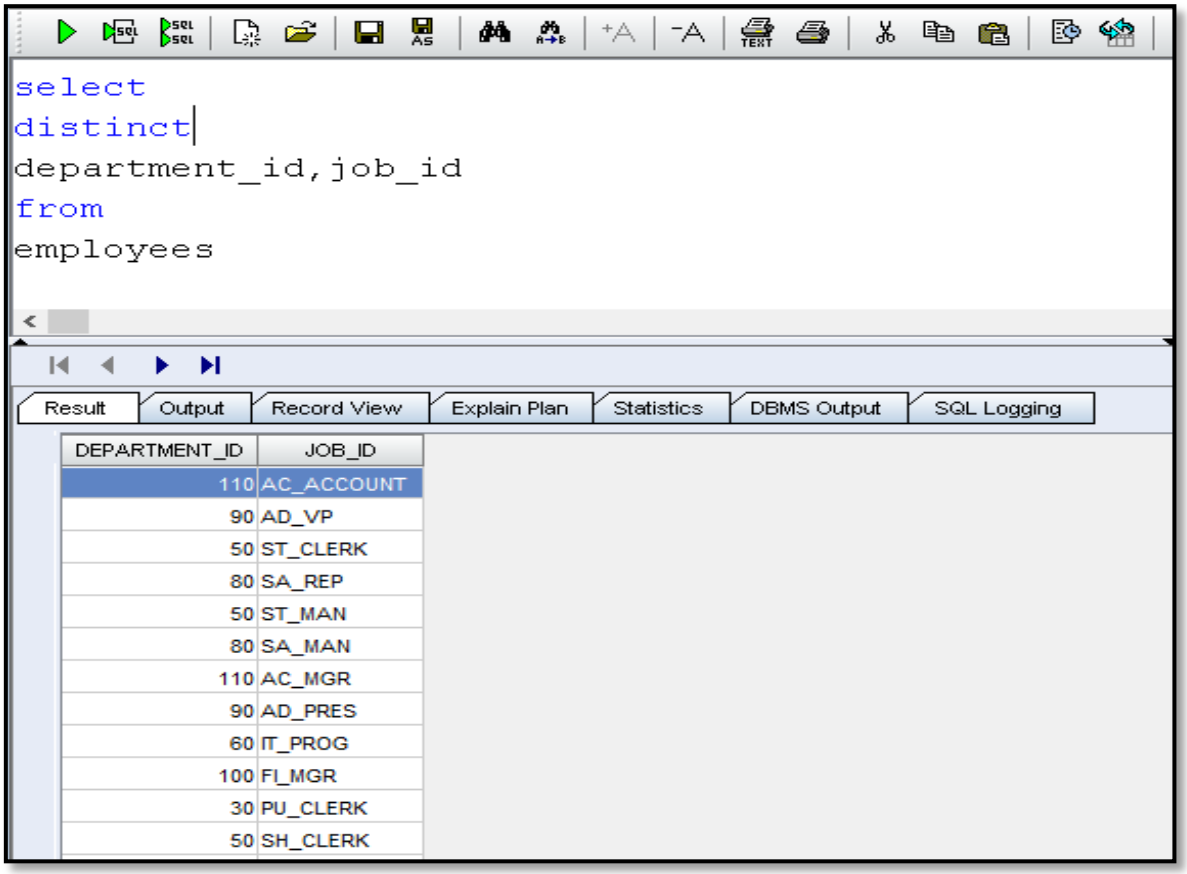
Result | Output | Record View | Explain Plan | Statistics | DBMS Output

FN	LN	SAL	HD
Steven HD	King HD	24000 HD	17-JUN-2003 00:00:00 HD
Neena HD	Kochhar HD	17000 HD	21-SEP-2005 00:00:00 HD
Lex HD	De Haan HD	17000 HD	13-JAN-2001 00:00:00 HD
Alexander HD	Hunold HD	9000 HD	03-JAN-2006 00:00:00 HD
Bruce HD	Ernst HD	6000 HD	21-MAY-2007 00:00:00 HD
David HD	Austin HD	4800 HD	25-JUN-2005 00:00:00 HD
Valli HD	Pataballa HD	4800 HD	05-FEB-2006 00:00:00 HD
Diana HD	Lorentz HD	4200 HD	07-FEB-2007 00:00:00 HD
Nancy HD	Greenberg HD	12008 HD	17-AUG-2002 00:00:00 HD
Daniel HD	Faviet HD	9000 HD	16-AUG-2002 00:00:00 HD
John HD	Chen HD	8200 HD	28-SEP-2005 00:00:00 HD
Ismael HD	Sciarra HD	7700 HD	30-SEP-2005 00:00:00 HD
Jose Manuel HD	Urman HD	7800 HD	07-MAR-2006 00:00:00 HD
Luis HD	Popp HD	6900 HD	07-DEC-2007 00:00:00 HD
Den HD	Raphaely HD	11000 HD	07-DEC-2002 00:00:00 HD

Que. Create a query to display the unique salaries of employees



Que. Create a query to display the unique combination of values in department_id and job_id columns



Que. Display unique Department number of employees

```
select
distinct
department_id
from departments
```

Result | Output | Record View | Explain Plan | Statistics | DBM

DEPARTMENT_ID
10
20
30
40
50
60

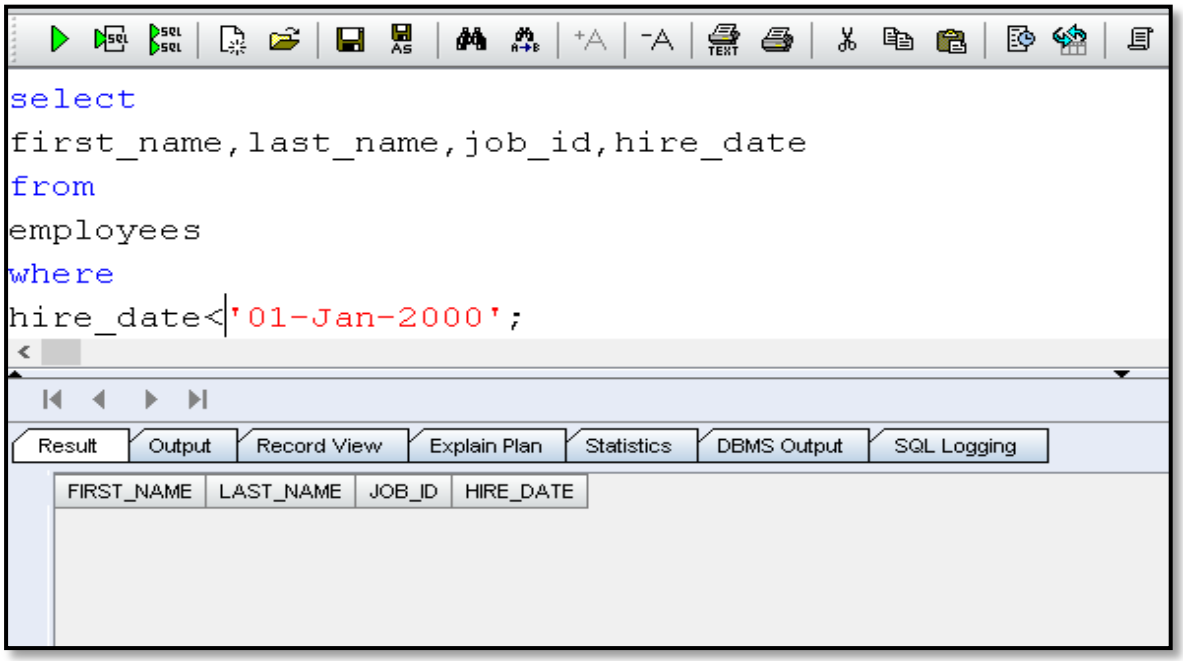
Que. List the details of the employees in ascending order oftheir salaries

```
select
first_name,last_name,job_id,department_id,salary
from
employees
order by
salary
```

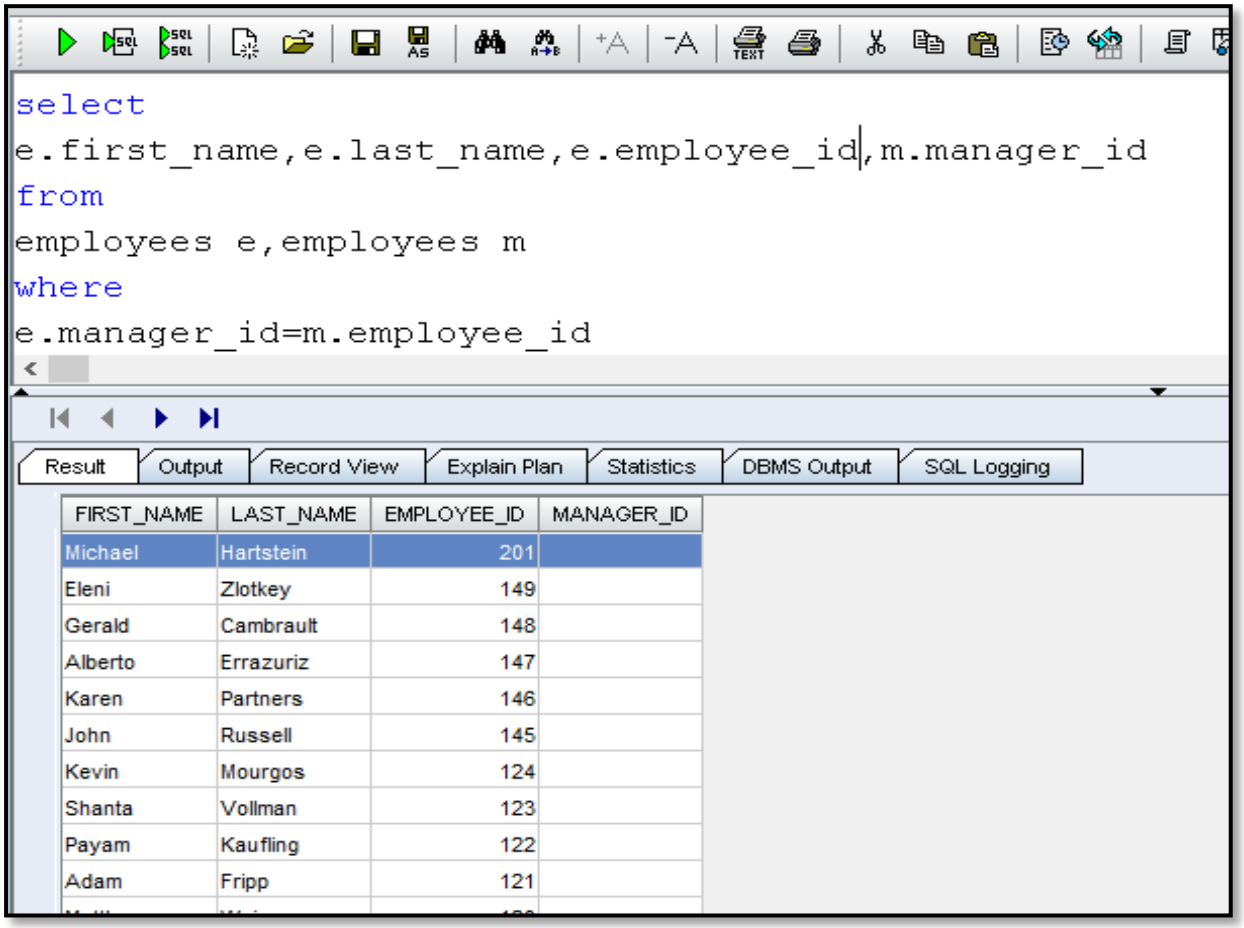
Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

FIRST_NAME	LAST_NAME	JOB_ID	DEPARTMENT_ID	SALARY
TJ	Olson	ST_CLERK	50	2100
Steven	Markle	ST_CLERK	50	2200
Hazel	Philtanker	ST_CLERK	50	2200
James	Landry	ST_CLERK	50	2400
Ki	Gee	ST_CLERK	50	2400
Karen	Colmenares	PU_CLERK	30	2500
James	Marlow	ST_CLERK	50	2500
Joshua	Patel	ST_CLERK	50	2500
Peter	Vargas	ST_CLERK	50	2500
Martha	Sullivan	SH_CLERK	50	2500
Randall	Perkins	SH_CLERK	50	2500
Guy	Himuro	PU_CLERK	30	2600
Randall	Matos	ST_CLERK	50	2600

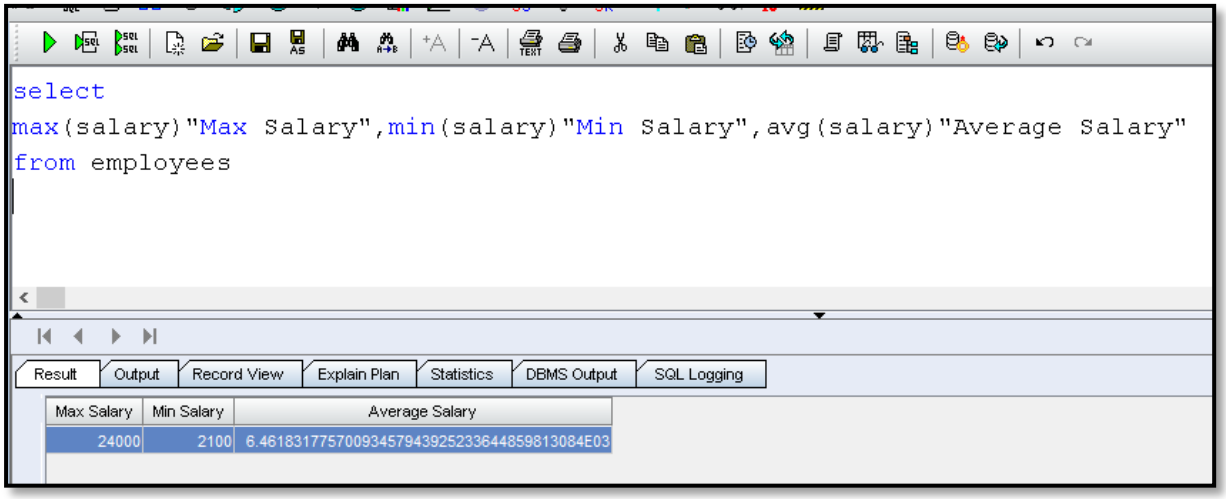
Que. List the employees who joined before 2000



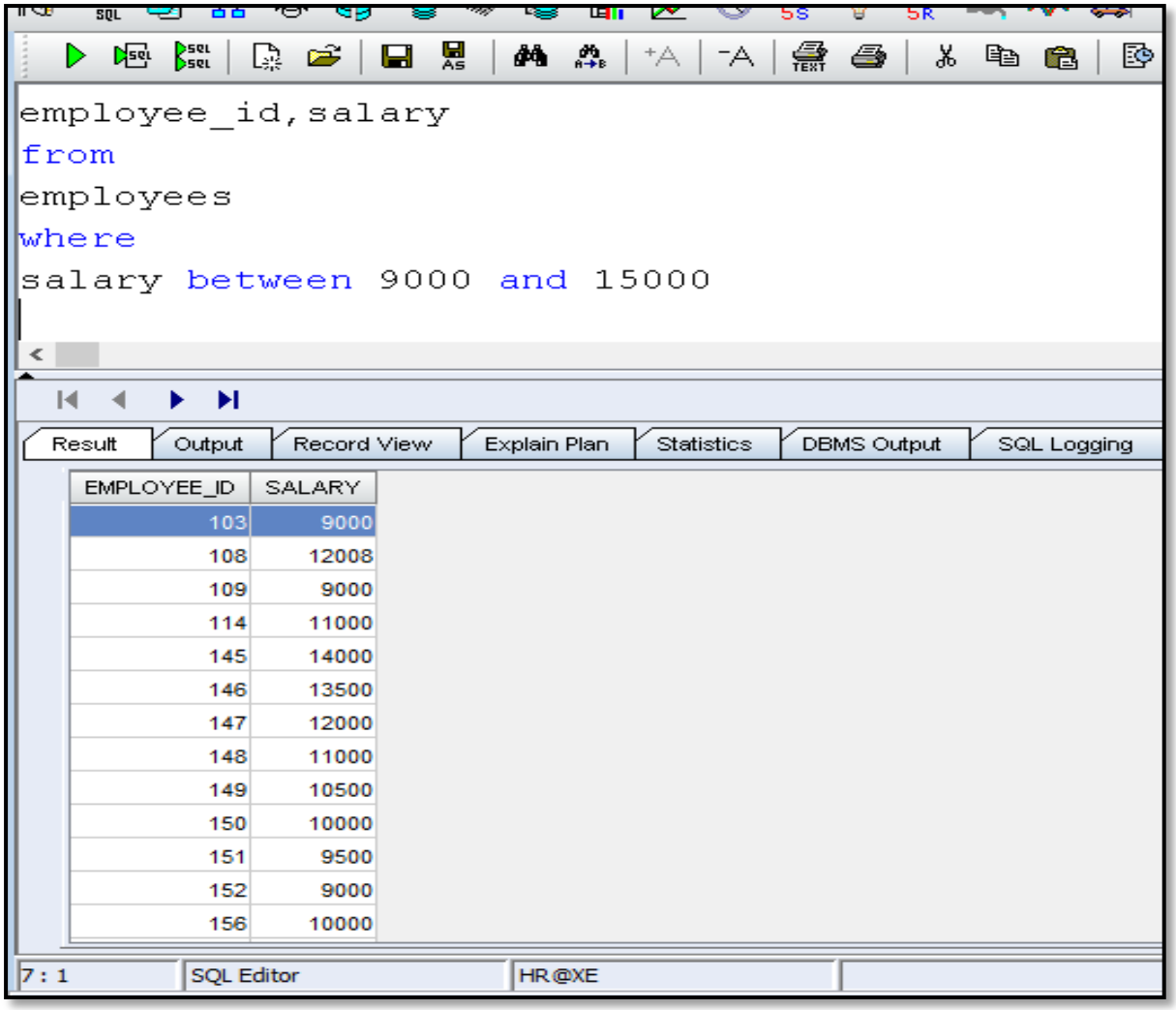
Que. Write an SQL query to fetch all the Employees who are also managers.



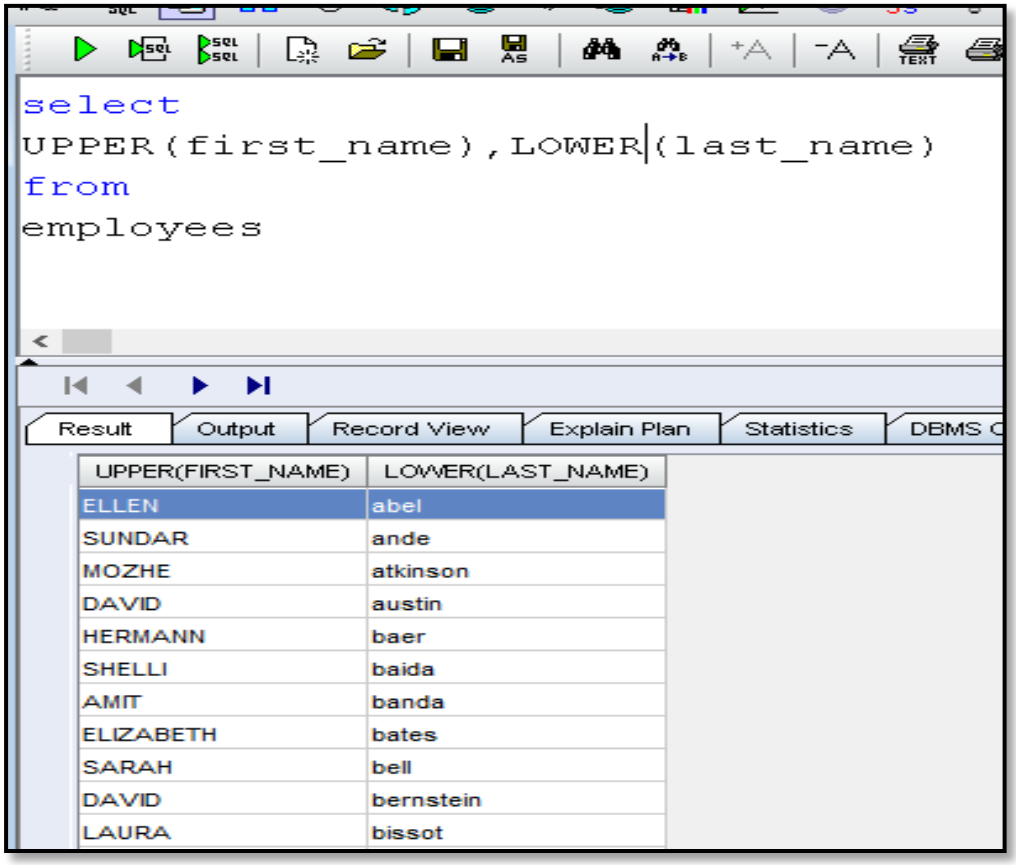
Que. Write an SQL query to find the maximum, minimum, and average salary of the employees.



Que. Write an SQL query to find the employee id whosesalary lies in the range of 9000 and 15000



Que. Write an SQL query to uppercase the firstname of the employee and lowercase the lastname.

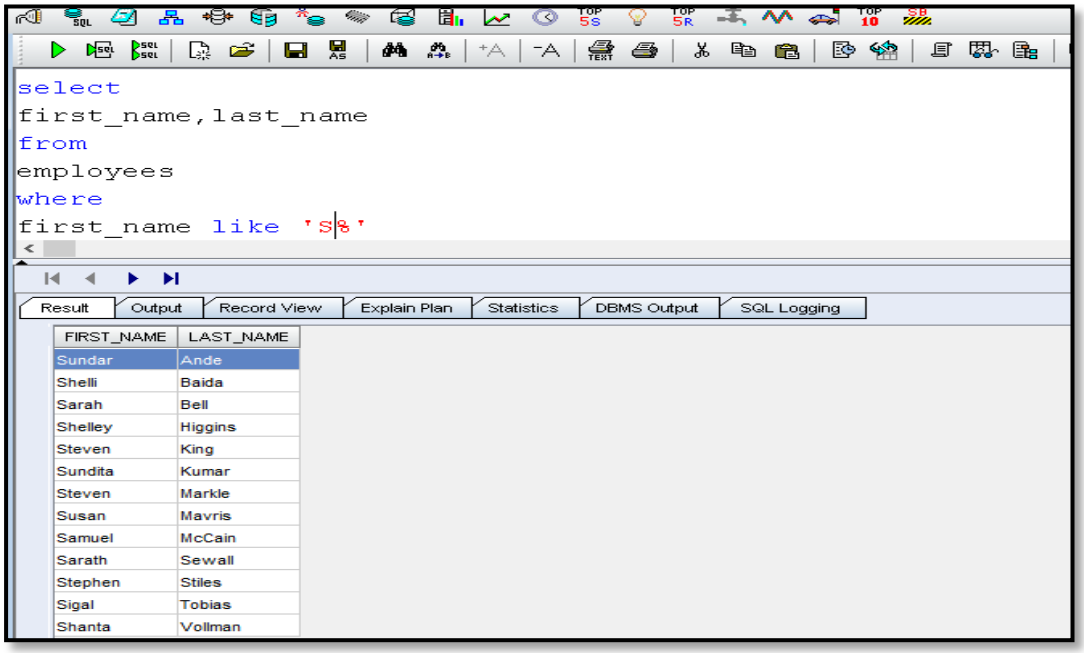


```
select
UPPER(first_name),LOWER(last_name)
from
employees
```

Result | Output | Record View | Explain Plan | Statistics | DBMS

UPPER(FIRST_NAME)	LOWER(LAST_NAME)
ELLEN	abel
SUNDAR	ande
MOZHE	atkinson
DAVID	austin
HERMANN	baer
SHELLI	baida
AMIT	banda
ELIZABETH	bates
SARAH	bell
DAVID	bernstein
LAURA	bissot

Que. Write a query to find the names of employees that begin with 'S'

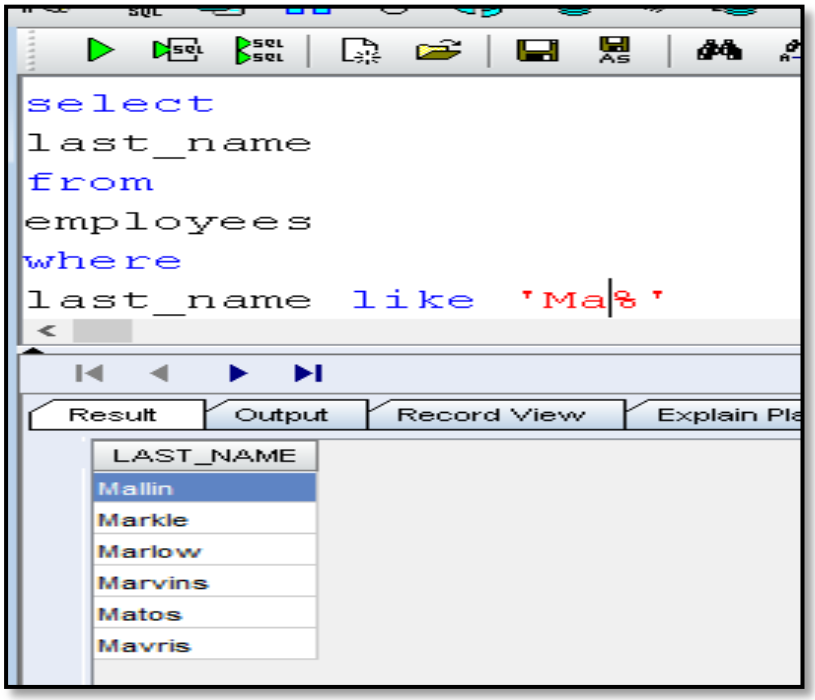


```
select
first_name,last_name
from
employees
where
first_name like 'S%'
```

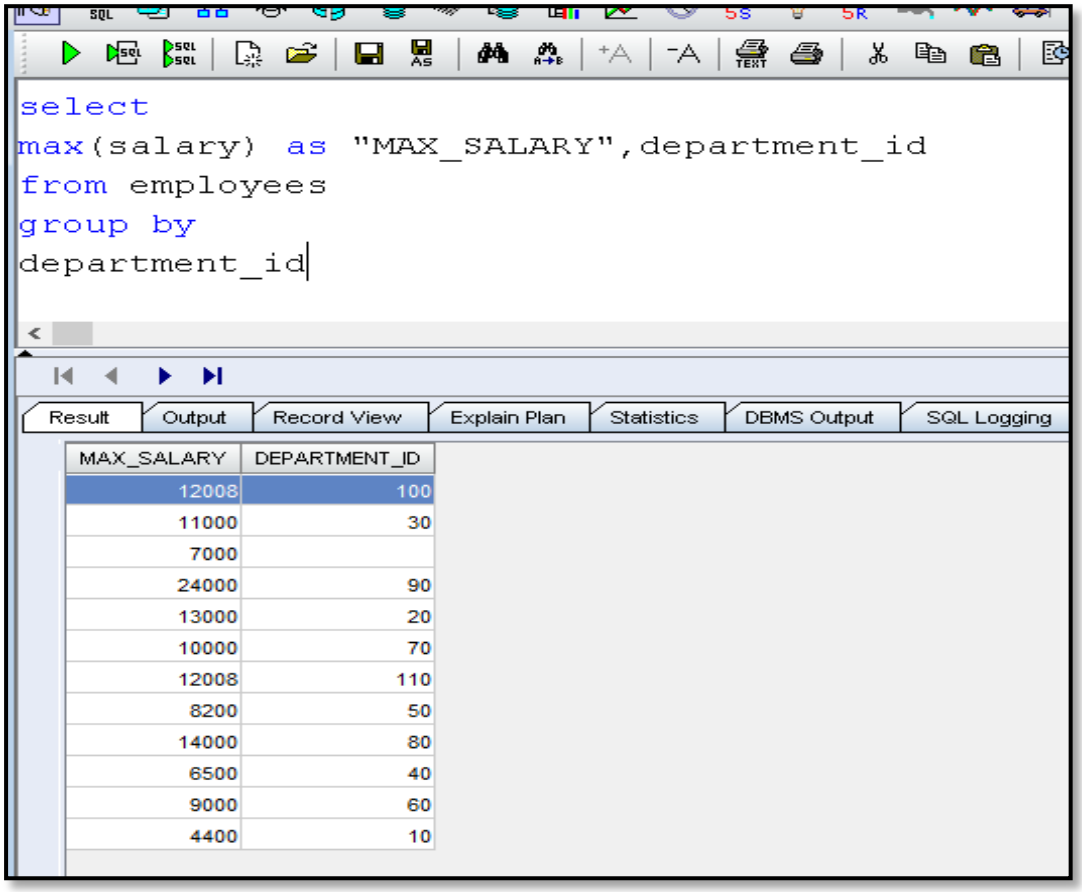
Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

FIRST_NAME	LAST_NAME
Sundar	Ande
Shelli	Baida
Sarah	Bell
Shelley	Higgins
Steven	King
Sundita	Kumar
Steven	Markle
Susan	Mavris
Samuel	McCain
Sarath	Sewall
Stephen	Stiles
Sigal	Tobias
Shanta	Vollman

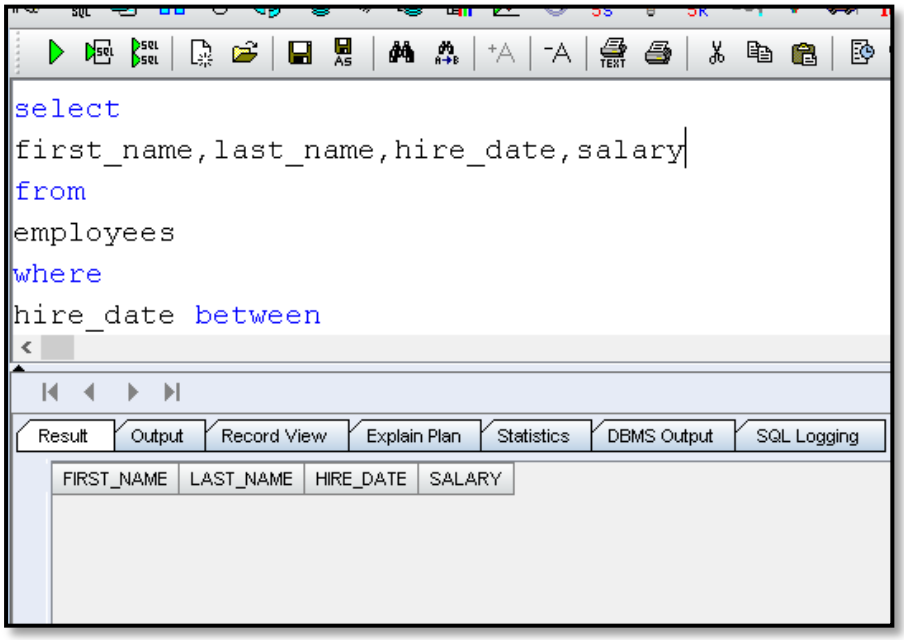
Que. select employees whose last names start with "Ma"



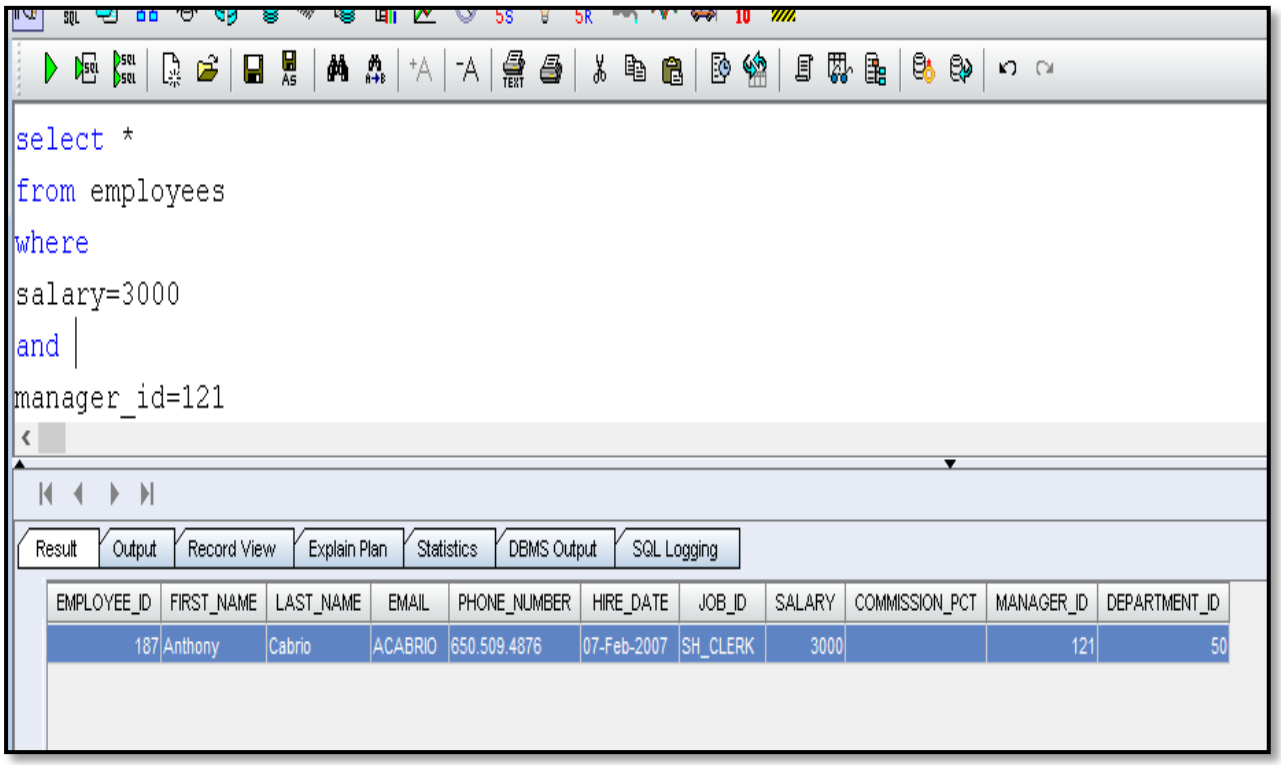
Que. What is SQL Query to find maximum salary of each department?



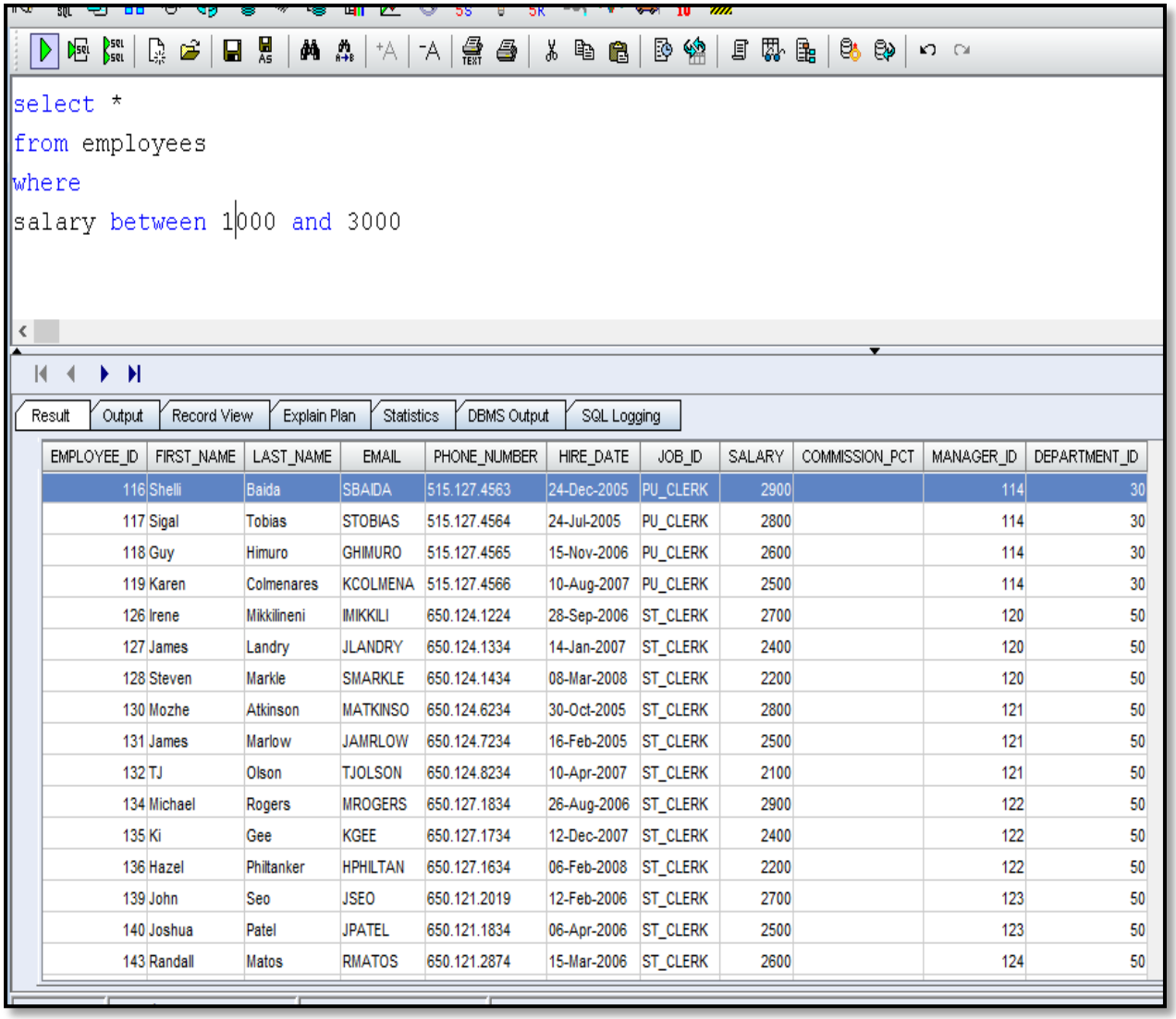
Que. Display the name of employees who have joined in2016 and salary is greater than 10000?



Que. Write a query to display all the information of an employee whose salary and reporting person id is 3000and 121



Que. Write a query to display all the information of the employees whose salary is within the range 1000 and 3000

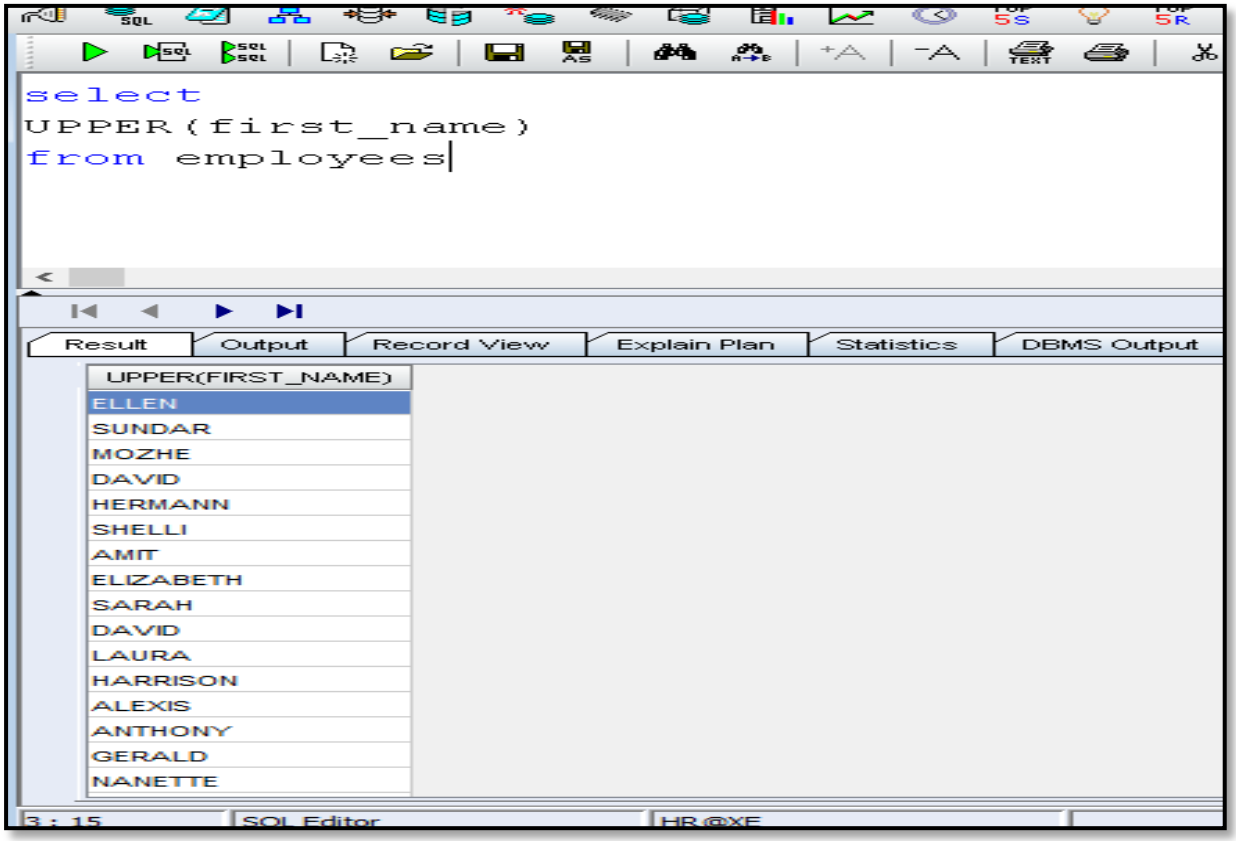


```
select *
from employees
where
salary between 1000 and 3000
```

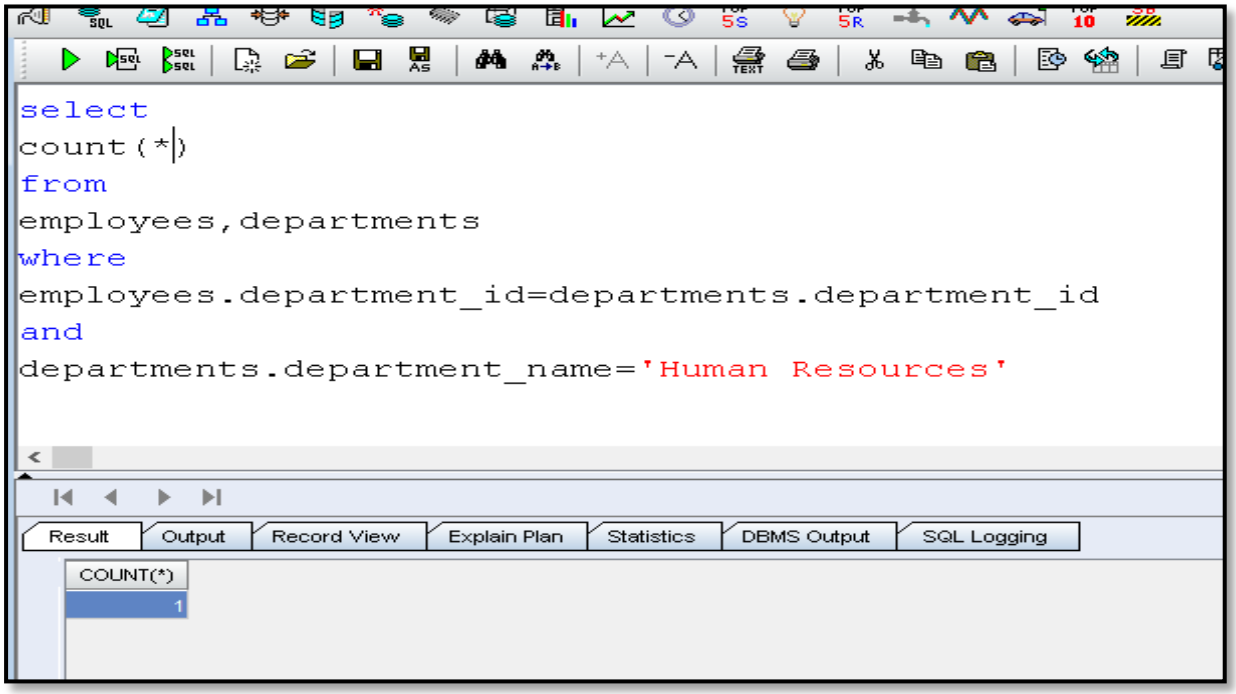
Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
116	Shelli	Baida	SBAIDA	515.127.4563	24-Dec-2005	PU_CLERK	2900		114	30
117	Sigal	Tobias	STOBIAS	515.127.4564	24-Jul-2005	PU_CLERK	2800		114	30
118	Guy	Himuro	GHIMURO	515.127.4565	15-Nov-2006	PU_CLERK	2600		114	30
119	Karen	Colmenares	KCOLMENA	515.127.4566	10-Aug-2007	PU_CLERK	2500		114	30
126	Irene	Mikkilineni	IMIKKILI	650.124.1224	28-Sep-2006	ST_CLERK	2700		120	50
127	James	Landry	JLANDRY	650.124.1334	14-Jan-2007	ST_CLERK	2400		120	50
128	Steven	Markle	SMARKLE	650.124.1434	08-Mar-2008	ST_CLERK	2200		120	50
130	Mozhe	Atkinson	MATKINSO	650.124.6234	30-Oct-2005	ST_CLERK	2800		121	50
131	James	Marlow	JAMRLOW	650.124.7234	16-Feb-2005	ST_CLERK	2500		121	50
132	TJ	Olson	TJOLSON	650.124.8234	10-Apr-2007	ST_CLERK	2100		121	50
134	Michael	Rogers	MROGERS	650.127.1834	26-Aug-2006	ST_CLERK	2900		122	50
135	Ki	Gee	KGEE	650.127.1734	12-Dec-2007	ST_CLERK	2400		122	50
136	Hazel	Philtanker	HPHILTAN	650.127.1634	06-Feb-2008	ST_CLERK	2200		122	50
139	John	Seo	JSEO	650.121.2019	12-Feb-2006	ST_CLERK	2700		123	50
140	Joshua	Patel	JPATEL	650.121.1834	06-Apr-2006	ST_CLERK	2500		123	50
143	Randall	Matos	RMATOS	650.121.2874	15-Mar-2006	ST_CLERK	2600		124	50

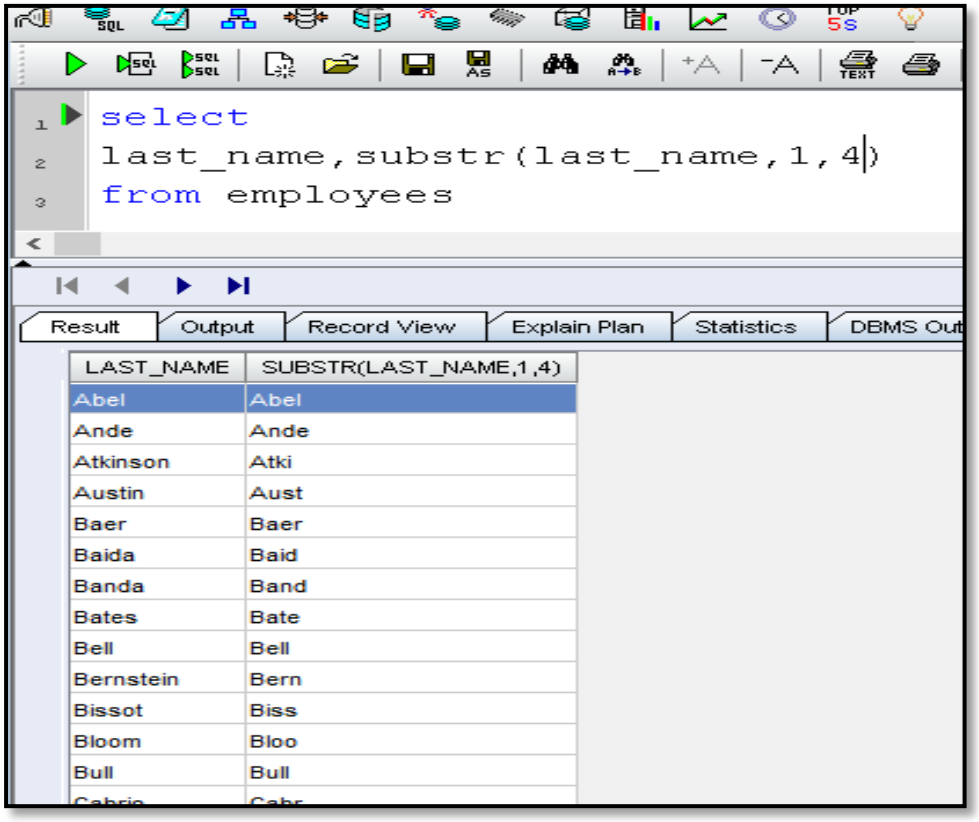
Que. Write a query to fetch the Employee First name in the upper case.



Que. Write a query to fetch the number of employees working in the department ‘HR’.



Que. Write a query to retrieve the first four characters of EMPLOYEE Last name.



Que. Write a query to find the names of employees that begin with 'S'.