

Limit to 1000 rows

```
57
58 -- TASK 9 : Write a query to calculate the minimum and the maximum salary of the employees in each role.
59 -- Take data from the employee record table.
60
61 • select role , min(salary) as min_salary , max(salary) as max_salary from employee.emp_record_table group by role;
62
63
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	role	min_salary	max_salary
▶	PRESIDENT	16500	16500
	LEAD DATA SCIENTIST	8500	9000
	SENIOR DATA SCIENTIST	5500	7700
	MANAGER	8500	11000
	ASSOCIATE DATA SCIENTIST	4000	5000
	JUNIOR DATA SCIENTIST	2800	3000

Limit to 1000 rows

```
60
61 • select role , min(salary) as min_salary , max(salary) as max_salary from employee.emp_record_table group by role;
62
63
64 -- Task 10: Write a query to assign ranks to each employee based on their experience. Take data from the employee record table.
65
66 • SELECT EMP_ID, FIRST_NAME, LAST_NAME, ROLE, DEPT, EXP, RANK() OVER (ORDER BY EXP DESC) AS RANKING FROM employee.emp_record_table;
```

Result Grid Filter Rows: Export: Wrap Cell Content: IA

	EMP_ID	FIRST_NAME	LAST_NAME	ROLE	DEPT	EXP	RANKING
▶	E001	Arthur	Black	PRESIDENT	ALL	20	1
	E083	Patrick	Voltz	MANAGER	HEALTHCARE	15	2
	E103	Emily	Grove	MANAGER	FINANCE	14	3
	E428	Pete	Allen	MANAGER	AUTOMOTIVE	14	3
	E583	Janet	Hale	MANAGER	RETAIL	14	3
	E612	Tracy	Norris	MANAGER	RETAIL	13	6
	E010	W William	Butler	LEAD DATA SCIENTIST	AUTOMOTIVE	12	7
	E005	Eric	Hoffman	LEAD DATA SCIENTIST	FINANCE	11	8
	E057	Dorothy	Wilson	SENIOR DATA SCIENTIST	HEALTHCARE	9	9
	E204	Karene	Nowak	SENIOR DATA SCIENTIST	AUTOMOTIVE	8	10
	E260	Roy	Collins	SENIOR DATA SCIENTIST	RETAIL	7	11
	E052	Dianna	Wilson	SENIOR DATA SCIENTIST	HEALTHCARE	6	12

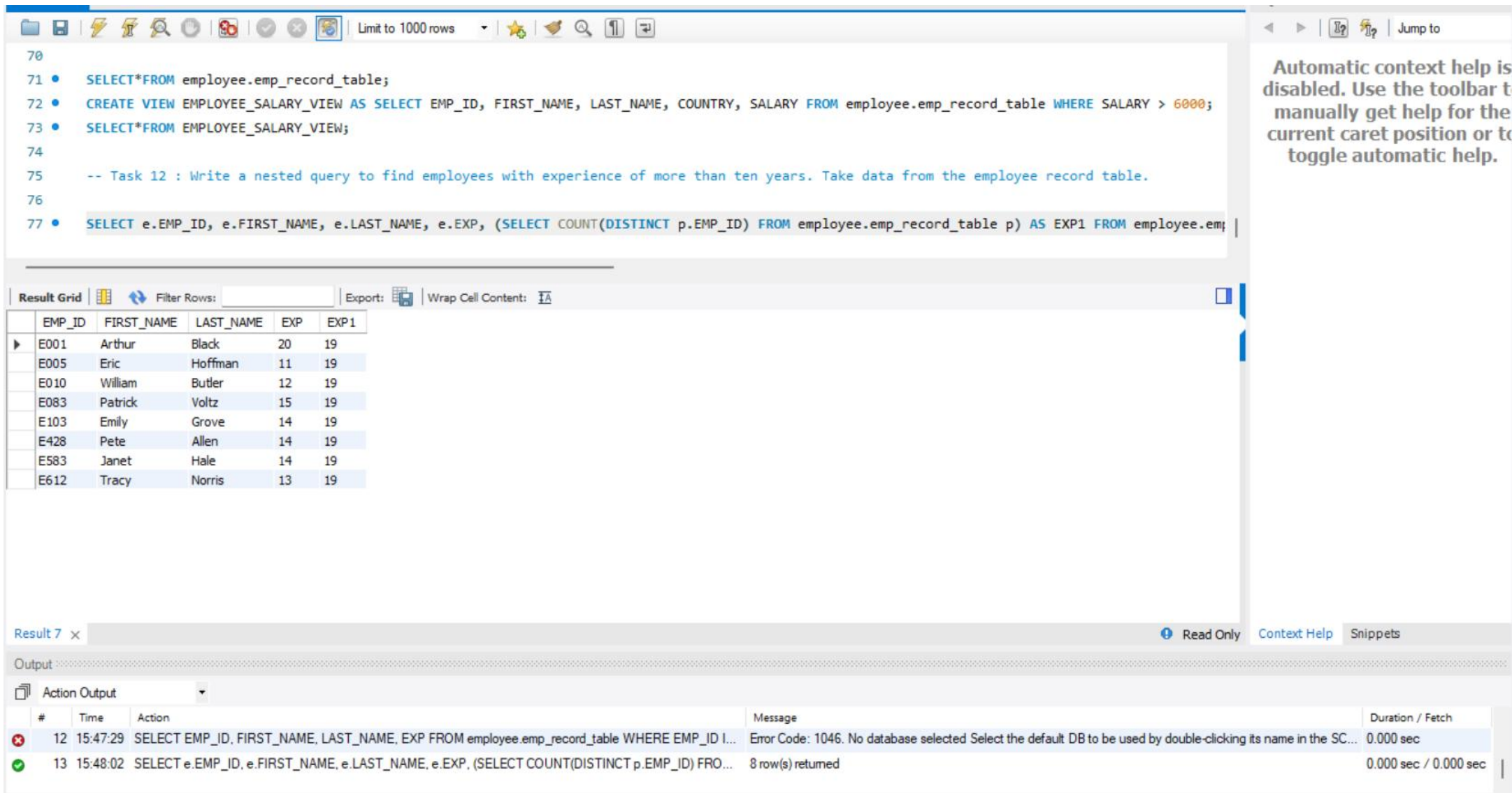
Result 5 x

Read Only

```
64 -- Task 10: Write a query to assign ranks to each employee based on their experience. Take data from the employee record table.
65
66 • SELECT EMP_ID, FIRST_NAME, LAST_NAME, ROLE, DEPT, EXP, RANK() OVER (ORDER BY EXP DESC) AS RANKING FROM employee.emp_record_table;
67
68 -- Task 11: Write a query to create a view that displays employees in various countries whose salary is more than six thousand.
69 -- Take data from the employee record table.
70
71 • SELECT*FROM employee.emp_record_table;
72 • CREATE VIEW EMPLOYEE_SALARY_VIEW AS SELECT EMP_ID, FIRST_NAME, LAST_NAME, COUNTRY, SALARY FROM employee.emp_record_table WHERE SALARY > 6000;
73 • SELECT*FROM EMPLOYEE_SALARY_VIEW;
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid		Filter Rows:		Export:		Wrap Cell Content:							
	EMP_ID	FIRST_NAME	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	SALARY	EMP_RATING	MANAGER_ID	PROJ_ID
	E010	William	Butler	M	LEAD DATA SCIENTIST	AUTOMOTIVE	12	FRANCE	EUROPE	9000	2	E428	P204
	E052	Dianna	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	6	CANADA	NORTH AMERICA	5500	5	E083	P103
	E057	Dorothy	Wilson	F	SENIOR DATA SCIENTIST	HEALTHCARE	9	USA	NORTH AMERICA	7700	1	E083	P302
	E083	Patrick	Voltz	M	MANAGER	HEALTHCARE	15	USA	NORTH AMERICA	9500	5	E001	NULL
	E103	Emily	Grove	F	MANAGER	FINANCE	14	CANADA	NORTH AMERICA	10500	4	E001	NULL
	E204	Karene	Nowak	F	SENIOR DATA SCIENTIST	AUTOMOTIVE	8	GERMANY	EUROPE	7500	5	E428	P204
	E245	Nian	Zhen	M	SENIOR DATA SCIENTIST	RETAIL	6	CHINA	ASIA	6500	2	E583	P109
	E260	Roy	Collins	M	SENIOR DATA SCIENTIST	RETAIL	7	INDIA	ASIA	7000	3	E583	NA
	E403	Steve	Hoffman	M	ASSOCIATE DATA SCIENTIST	FINANCE	4	USA	NORTH AMERICA	5000	3	E103	P105
	E428	Pete	Allen	M	MANAGER	AUTOMOTIVE	14	GERMANY	EUROPE	11000	4	E001	NULL
	E478	David	Smith	M	ASSOCIATE DATA SCIENTIST	RETAIL	3	COLOMBIA	SOUTH AMERICA	4000	4	E583	P109
	E505	Chad	Wilson	M	ASSOCIATE DATA SCIENTIST	HEALTHCARE	5	CANADA	NORTH AMERICA	5000	2	E083	P103
	E532	Claire	Brennan	F	ASSOCIATE DATA SCIENTIST	AUTOMOTIVE	3	GERMANY	EUROPE	4300	1	E428	P204
	E583	Janet	Hale	F	MANAGER	RETAIL	14	COLOMBIA	SOUTH AMERICA	10000	2	E001	NULL
	E612	Tracy	Norris	F	MANAGER	RETAIL	13	INDIA	ASIA	8500	4	E001	NULL
	E620	Katrina	Allen	F	JUNIOR DATA SCIENTIST	RETAIL	2	INDIA	ASIA	3000	1	E612	P406
	E640	Jenifer	Jhones	F	JUNIOR DATA SCIENTIST	RETAIL	1	COLOMBIA	SOUTH AMERICA	2800	4	E612	P406









SCI\*

SCI\* ×

The screenshot shows the 'Data' tab of the 'Table' tool. The 'Limit to 1000 rows' dropdown menu is open, displaying a list of options: 'All rows', '1000 rows', '500 rows', '250 rows', '100 rows', '50 rows', '25 rows', '10 rows', '5 rows', and '1 row'. The 'All rows' option is currently selected.

```

107     END IF;
108     RETURN (EMPLOYEE_JOB_PROFILE);
109     END $$
110 • SELECT EMP_ID , FIRST_NAME , EXP , EMPLOYEE_JOB_PROFILE(EXP) FROM employee.emp_record_table;
111
112 -- Task 15 :Create an index to improve the cost and performance of the query to find the employee
113 -- whose FIRST_NAME is 'Eric' in the employee table after checking the execution plan.
114
115 create index IDX_FIRST_NAME ON employee.emp_record_table(FIRST_NAME);
116 explain select EMP_ID , FIRST_NAME , LAST_NAME FROM employee.emp_record_table where FIRST_NAME = "ERIC";
117

```

Result Grid  Filter Rows:  Export:  Wrap Cell Content: 

	EMP_ID	FIRST_NAME	EXP	EMPLOYEE_JOB_PROFILE(EXP)
▶	E001	Arthur	20	NULL
	E005	Eric	11	LEAD DATA SCIENTIST
	E010	William	12	LEAD DATA SCIENTIST
	E052	Dianna	6	SENIOR DATA SCIENTIST
	E057	Dorothy	9	SENIOR DATA SCIENTIST
	E083	Patrick	15	MANAGER
	E103	Emily	14	MANAGER
	E204	Karene	8	SENIOR DATA SCIENTIST
	E245	Nian	6	SENIOR DATA SCIENTIST
	E260	Roy	7	SENIOR DATA SCIENTIST
	E403	Steve	4	ASSOCIATE DATA SCIENTIST
	E428	Pete	14	MANAGER
	E478	David	3	ASSOCIATE DATA SCIENTIST
	E505	Chad	5	ASSOCIATE DATA SCIENTIST
	E532	Claire	3	ASSOCIATE DATA SCIENTIST
	E583	Janet	14	MANAGER
	E612	Tracy	13	MANAGER
	E620	Katrina	2	JUNIOR DATA SCIENTIST

Result 5 

Read Only Context Help Snippets

Output

SQL Additions: .....

◀ ▶ |   | Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

```

99 RETURNS VARCHAR(100) DETERMINISTIC
100 BEGIN
101 DECLARE EMPLOYEE_JOB_PROFILE VARCHAR(100);
102 IF EXP <= 2 THEN SET EMPLOYEE_JOB_PROFILE = 'JUNIOR DATA SCIENTIST';
103 ELSEIF EXP BETWEEN 2 AND 5 THEN SET EMPLOYEE_JOB_PROFILE = 'ASSOCIATE DATA SCIENTIST';
104 ELSEIF EXP BETWEEN 5 AND 10 THEN SET EMPLOYEE_JOB_PROFILE = 'SENIOR DATA SCIENTIST';
105 ELSEIF EXP BETWEEN 10 AND 12 THEN SET EMPLOYEE_JOB_PROFILE = 'LEAD DATA SCIENTIST';
106 ELSEIF EXP BETWEEN 12 AND 16 THEN SET EMPLOYEE_JOB_PROFILE = 'MANAGER';
107 END IF;
108 RETURN (EMPLOYEE_JOB_PROFILE);
109 END $$
110 • SELECT EMP_ID , FIRST_NAME , EXP , EMPLOYEE_JOB_PROFILE(EXP) FROM employee.emp_record_table;
111
112 -- Task 15 :Create an index to improve the cost and performance of the query to find the employee
113 -- whose FIRST_NAME is 'Eric' in the employee table after checking the execution plan.
114
115 create index IDX_FIRST_NAME ON employee.emp_record_table(FIRST_NAME);
116 explain select EMP_ID , FIRST_NAME , LAST_NAME FROM employee.emp_record_table where FIRST_NAME = "ERIC";
117
118 -- Task 16 : Write a query to calculate the bonus for all the employees, based on their ratings and salaries
119 -- (Use the formula: 5% of salary * employee rating).
120
121 select EMP_ID , FIRST_NAME , LAST_NAME , ROLE, DEPT, EXP, SALARY, EMP_RATING, (SALARY * 5/100)*(EMP_RATING) AS BONUS FROM employee.emp_record_t
122
123 -- Task17: Write a query to calculate the average salary distribution based on the continent and country.
124 -- Take data from the employee record table.
125 SELECT EMP_ID, FIRST_NAME, LAST_NAME, COUNTRY, CONTINENT, AVG(SALARY) AS AVERAGE_SALARY FROM employee.emp_record_table GROUP BY CONTINENT, COU
126

```