

Navigator

SCHEMAS

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Schema: employee

Employee performance mapping_

Limit to 1000 rows

```

7
8  # Q3 Write a query to fetch EMP_ID, FIRST_NAME, LAST_NAME, GENDER, and DEPARTMENT from the employee record table.
9
10 • SELECT EMP_ID, FIRST_NAME, LAST_NAME, GENDER, DEPT
11 FROM emp_record_table;

```

Result Grid Filter Rows Export: Wrap Cell Contents

EMP_ID	FIRST_NAME	LAST_NAME	GENDER	DEPT
E001	Arthur	Black	M	ALL
E005	Eric	Hoffman	M	FINANCE
E010	William	Butler	M	AUTOMOTIVE
E052	Dianna	Wilson	F	HEALTHCARE
E057	Dorothy	Wilson	F	HEALTHCARE
E083	Patrick	Voltz	M	HEALTHCARE
E103	Emily	Grove	F	FINANCE
E204	Karene	Nowak	F	AUTOMOTIVE
E245	Nian	Zhen	M	RETAIL
E403	Steve	Hoffman	M	FINANCE
E428	Pete	Allen	M	AUTOMOTIVE
E478	David	Smith	M	RETAIL
E505	Chad	Wilson	M	HEALTHCARE
E532	Claire	Brennan	F	AUTOMOTIVE
E583	Janet	Hale	F	RETAIL
E612	Tracy	Norris	F	RETAIL
E620	Katrina	Allen	F	RETAIL
E640	Jenifer	Jhones	F	RETAIL

Result Grid

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Q4 Write a query to fetch EMP_ID, FIRST_NAME, LAST_NAME, GENDER, DEPARTMENT, and EMP_RATING based on the employee rating:

SELECT EMP_ID, FIRST_NAME, LAST_NAME, GENDER, DEPT, EMP_RATING

FROM emp_record_table

WHERE EMP_RATING < 2

OR EMP_RATING > 4

OR EMP_RATING BETWEEN 2 AND 4;

Result Grid

Filter Rows

Exports

Wrap Cell Contents

EMP_ID	FIRST_NAME	LAST_NAME	GENDER	DEPT	EMP_RATING
E001	Arthur	Black	M	ALL	5
E005	Eric	Hoffman	M	FINANCE	3
E010	William	Butler	M	AUTOMOTIVE	2
E052	Dianna	Wilson	F	HEALTHCARE	5
E057	Dorothy	Wilson	F	HEALTHCARE	1
E083	Patrick	Voltz	M	HEALTHCARE	5
E103	Emily	Grove	F	FINANCE	4
E204	Karene	Nowak	F	AUTOMOTIVE	5
E245	Nian	Zhen	M	RETAIL	2
E403	Steve	Hoffman	M	FINANCE	3
E428	Pete	Allen	M	AUTOMOTIVE	4
E478	David	Smith	M	RETAIL	4
E505	Chad	Wilson	M	HEALTHCARE	2
E532	Claire	Brennan	F	AUTOMOTIVE	1
E583	Janet	Hale	F	RETAIL	2
E612	Tracy	Norris	F	RETAIL	4
E620	Katrina	Allen	F	RETAIL	1
E640	Jenifer	Jhones	F	RETAIL	4

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```
22 # Q5 Write a query to concatenate the FIRST_NAME and the LAST_NAME of employees in the Finance department and give the resultant column alias
23
24 • SELECT EMP_ID, CONCAT(FIRST_NAME, ' ', LAST_NAME) AS NAME, DEPT
25 FROM emp_record_table
26 WHERE DEPT = 'Finance';
```

Result Grid

EMP_ID	NAME	DEPT
E005	Eric Hoffman	FINANCE
E103	Emily Grove	FINANCE
E403	Steve Hoffman	FINANCE

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Limit to 1000 rows

28

Q6 Write a query to list only those employees who have someone reporting to them.

29

Also, show the number of reporters.

30

31

• SELECT MANAGER_ID, COUNT(EMP_ID) AS Reporters

32

FROM emp_record_table

33

GROUP BY MANAGER_ID

34

HAVING COUNT(EMP_ID) > 0;

Result Grid Filter Rows: Exports: Wrap Cell Content:

Result Grid

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	MANAGER_ID	Reporters
▶	E103	2
	E428	3
	E083	3
	E001	5
	E583	2
	E612	2

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Employee performance mapping

Limit to 1000 rows

43

Q7 Write a query to list down all the employees from the Healthcare and Finance departments using UNION.

44

45

46

47

SELECT * FROM emp_record_table WHERE DEPT = 'Healthcare'

UNION

SELECT * FROM emp_record_table WHERE DEPT = 'Finance';

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

	EMP_ID	FIRST_NAME	LAST_NAME	GENDER	ROLE	DEPT	EXP	COUNTRY	CONTINENT	SALARY	EMP_RATING	MANAGER_ID	PROJ_ID
▶	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	10019
	E505	Chad	Wilson	M	ASSOCIATE DATA SCIENTIST	HEALTHCARE	5	CANADA	NORTH AMERICA	5000	2	E083	P103
	E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	8500	3	E103	P105
	E103	Emily	Grove	F	MANAGER	FINANCE	14	CANADA	NORTH AMERICA	10500	4	E001	10019
	E403	Steve	Hoffman	M	ASSOCIATE DATA SCIENTIST	FINANCE	4	USA	NORTH AMERICA	5000	3	E103	P105

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48

49 # Q8 Write a query to list down employee details grouped by department, including employee rating and maximum rating for the department.

50

51 • SELECT DEPT, EMP_ID, FIRST_NAME, LAST_NAME, ROLE, EMP_RATING,

52 MAX(EMP_RATING) OVER (PARTITION BY DEPT) AS Max_Dept_Rating

53 FROM emp_record_table;

54

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

DEPT	EMP_ID	FIRST_NAME	LAST_NAME	ROLE	EMP_RATING	Max_Dept_Rating
▶ ALL	E001	Arthur	Bleck	PRESIDENT	5	5
AUTOMOTIVE	E010	William	Butler	LEAD DATA SCIENTIST	2	5
AUTOMOTIVE	E204	Karene	Nowak	SENIOR DATA SCIENTIST	5	5
AUTOMOTIVE	E428	Pete	Allen	MANAGER	4	5
AUTOMOTIVE	E532	Claire	Brennan	ASSOCIATE DATA SCIENTIST	1	5
FINANCE	E005	Eric	Hoffman	LEAD DATA SCIENTIST	3	4
FINANCE	E103	Emily	Grove	MANAGER	4	4
FINANCE	E403	Steve	Hoffman	ASSOCIATE DATA SCIENTIST	3	4
HEALTHCARE	E052	Dianna	Wilson	SENIOR DATA SCIENTIST	5	5
HEALTHCARE	E057	Dorothy	Wilson	SENIOR DATA SCIENTIST	1	5
HEALTHCARE	E083	Patrick	Voltz	MANAGER	5	5
HEALTHCARE	E505	Chad	Wilson	ASSOCIATE DATA SCIENTIST	2	5
RETAIL	E245	Nian	Zhen	SENIOR DATA SCIENTIST	2	4
RETAIL	E478	David	Smith	ASSOCIATE DATA SCIENTIST	4	4
RETAIL	E583	Janet	Hale	MANAGER	2	4
RETAIL	E612	Tracy	Norris	MANAGER	4	4
RETAIL	E620	Katrina	Allen	JUNIOR DATA SCIENTIST	1	4
RETAIL	E640	Jenifer	Jhones	JUNIOR DATA SCIENTIST	4	4

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55 # Q9 Write a query to calculate the minimum and maximum salary of the employees in each role.
56
57 • SELECT ROLE, MIN(SALARY) AS Min_Salary, MAX(SALARY) AS Max_Salary
58 FROM emp_record_table
59 GROUP BY ROLE;

```

Result Grid | Filter Rows: | Exports: | 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

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Limit to 1000 rows

61 # Q10 Write a query to assign ranks to each employee based on their experience.

62

63 • SELECT EMP_ID, FIRST_NAME, LAST_NAME, EXP,

64 RANK() OVER (ORDER BY EXP DESC) AS EXPERIENCE_RANK

65 FROM emp_record_table;

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

EMP_ID	FIRST_NAME	LAST_NAME	EXP	EXPERIENCE_RANK
E001	Arthur	Black	20	1
E083	Patrick	Voltz	15	2
E103	Emily	Grove	14	3
E428	Pete	Allen	14	3
E583	Janet	Hale	14	3
E612	Tracy	Norris	13	6
E010	William	Butler	12	7
E005	Eric	Hoffman	11	8
E057	Dorothy	Wilson	9	9
E204	Karene	Nowak	8	10
E052	Dianna	Wilson	6	11
E245	Nian	Zhen	6	11
E505	Chad	Wilson	5	13
E403	Steve	Hoffman	4	14
E478	David	Smith	3	15
E532	Claire	Brennan	3	15
E620	Katrina	Allen	2	17
E640	Jenifer	Jhones	1	18

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Limit to 1000 rows

67 # Q11 Write a query to create a view that displays employees in various countries whose salary is more than six thousand.

68

69 • CREATE VIEW High_Earners AS

70 SELECT EMP_ID, FIRST_NAME, SALARY

71 FROM emp_record_table

72 WHERE SALARY > 6000;

73

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	EMP_ID	FIRST_NAME	SALARY
▶	E001	Arthur	16500
	E005	Eric	8500
	E010	William	9000
	E057	Dorothy	7700
	E083	Patrick	9500
	E103	Emily	10500
	E204	Karene	7500
	E245	Nian	6500
	E428	Pete	11000
	E583	Janet	10000
	E612	Tracy	8500

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Limit to 1000 rows

73

74 # Q12 Write a nested query to find employees with experience of more than ten years. Take data from the employee record table.

75

76 • SELECT * FROM emp_record_table

77 WHERE EXP > 10;

78

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
E001	Arthur	Black	M	PRESIDENT	ALL	20	USA	NORTH AMERICA	16500	5	None	None
E005	Eric	Hoffman	M	LEAD DATA SCIENTIST	FINANCE	11	USA	NORTH AMERICA	8500	3	E103	P105
E010	William	Butler	M	LEAD DATA SCIENTIST	AUTOMOTIVE	12	FRANCE	EUROPE	9000	2	E428	P204
E083	Patrick	Voltz	M	MANAGER	HEALTHCARE	15	USA	NORTH AMERICA	9500	5	E001	None
E103	Emily	Grove	F	MANAGER	FINANCE	14	CANADA	NORTH AMERICA	10500	4	E001	None
E428	Pete	Allen	M	MANAGER	AUTOMOTIVE	14	GERMANY	EUROPE	11000	4	E001	None
E583	Janet	Hale	F	MANAGER	RETAIL	14	COLOMBIA	SOUTH AMERICA	10000	2	E001	None
E612	Tracy	Norris	F	MANAGER	RETAIL	13	INDIA	ASIA	8500	4	E001	None

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Employee performance mapping_ x

Limit to 1000 rows

79 # Q13 Write a query to create a stored procedure to retrieve the details of employees whose experience is more than three years.

80

81 • CREATE PROCEDURE get_experienced_employees()

82 SELECT EMP_ID, FIRST_NAME, LAST_NAME, EXP

83 FROM emp_record_table

84 WHERE EXP > 3;

Result Grid

Filter Rows:

Export: Wrap Cell Content: f

	EMP_ID	FIRST_NAME	LAST_NAME	EXP
▶	E001	Arthur	Black	20
	E005	Eric	Hoffman	11
	E010	William	Butler	12
	E052	Dianna	Wilson	6
	E057	Dorothy	Wilson	9
	E083	Patrick	Voltz	15
	E103	Emily	Grove	14
	E204	Karene	Nowak	8
	E245	Nian	Zhen	6
	E403	Steve	Hoffman	4
	E428	Pete	Allen	14
	E505	Chad	Wilson	5
	E583	Janet	Hale	14
	E612	Tracy	Norris	13

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86 # Q14 Write a query using stored functions in the project table to check whether the job profile assigned to each

87 # employee in the data science team matches the organization's set standard.

88 • SELECT EMP_ID, FIRST_NAME, LAST_NAME, EXP,

89 CASE

90 WHEN EXP <= 2 THEN 'JUNIOR DATA SCIENTIST'

91 WHEN EXP BETWEEN 2 AND 5 THEN 'ASSOCIATE DATA SCIENTIST'

92 WHEN EXP BETWEEN 5 AND 10 THEN 'SENIOR DATA SCIENTIST'

93 WHEN EXP BETWEEN 10 AND 12 THEN 'LEAD DATA SCIENTIST'

94 WHEN EXP BETWEEN 12 AND 16 THEN 'MANAGER'

95 ELSE 'OTHER'

96 END AS JOB_PROFILE

97 FROM data_science_team;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

EMP_ID	FIRST_NAME	LAST_NAME	EXP	JOB_PROFILE
E005	Eric	Hoffman	11	LEAD DATA SCIENTIST
E010	William	Butler	12	LEAD DATA SCIENTIST
E052	Dianna	Wilson	6	SENIOR DATA SCIENTIST
E057	Dorothy	Wilson	9	SENIOR DATA SCIENTIST
E204	Karene	Nowak	8	SENIOR DATA SCIENTIST
E245	Nian	Zhen	6	SENIOR DATA SCIENTIST
E260	Roy	Collins	7	SENIOR DATA SCIENTIST
E403	Steve	Hoffman	4	ASSOCIATE DATA SCIENTIST
E478	David	Smith	3	ASSOCIATE DATA SCIENTIST
E505	Chad	Wilson	5	ASSOCIATE DATA SCIENTIST
E532	Claire	Brennan	3	ASSOCIATE DATA SCIENTIST
E620	Katrina	Allen	2	JUNIOR DATA SCIENTIST
E640	Jenifer	Jhones	1	JUNIOR DATA SCIENTIST

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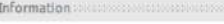
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Schema: **employee**

Limit to 1000 rows

106

Q16 Write a query to calculate the bonus for all the employees,

107

based on their ratings and salaries. (Formula: 5% of salary * employee rating).

108

109

• SELECT EMP_ID, FIRST_NAME, LAST_NAME, SALARY, EMP_RATING,

110


(0.05 * SALARY * EMP_RATING) AS BONUS


111


FROM emp_record_table;

112

Result Grid


Filter Rows:


Export:


Wrap Cell Content:

EMP_ID	FIRST_NAME	LAST_NAME	SALARY	EMP_RATING	BONUS
E001	Arthur	Black	16500	5	4125.00
E005	Eric	Hoffman	8500	3	1275.00
E010	William	Butler	9000	2	900.00
E052	Dianna	Wilson	5500	5	1375.00
E057	Dorothy	Wilson	7700	1	385.00
E083	Patrick	Voltz	9500	5	2375.00
E103	Emily	Grove	10500	4	2100.00
E204	Karene	Nowak	7500	5	1875.00
E245	Nian	Zhen	6500	2	650.00
E403	Steve	Hoffman	5000	3	750.00
E428	Pete	Allen	11000	4	2200.00
E478	David	Smith	4000	4	800.00
E505	Chad	Wilson	5000	2	500.00
E532	Claire	Brennan	4300	1	215.00
E583	Janet	Hale	10000	2	1000.00
E612	Tracy	Norris	8500	4	1700.00
E620	Katrina	Allen	3000	1	150.00
E640	Jenifer	Jhones	2800	4	560.00

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Limit to 1000 rows

112

113 # Q17 Write a query to calculate the average salary distribution based on the continent and country.

114

115 • SELECT CONTINENT, COUNTRY, AVG(SALARY) AS AVERAGE_SALARY

116 FROM emp_record_table

117 GROUP BY CONTINENT, COUNTRY;

118

Result Grid

Filter Rows:

Export:

Wrap Cell Contents

CONTINENT	COUNTRY	AVERAGE_SALARY
▶ NORTH AMERICA	USA	9440.0000
EUROPE	FRANCE	9000.0000
NORTH AMERICA	CANADA	7000.0000
EUROPE	GERMANY	7600.0000
ASIA	CHINA	6500.0000
SOUTH AMERICA	COLOMBIA	5600.0000
ASIA	INDIA	5750.0000

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