

Filtering, Sorting, and Calculating Data with SQL

- ✔

Video: Module Introduction

1 min
- ✔

Video: Basics of Filtering with SQL

8 min
- ✔

Video: Advanced Filtering: IN, OR, and NOT

7 min
- ✔

Video: Using Wildcards in SQL

6 min
- ✔

Video: Sorting with ORDER BY

4 min
- ✔

Video: Math Operations

4 min
- ✔

Video: Aggregate Functions

6 min
- ✔

Video: Grouping Data with SQL

5 min
- ✔

Video: Putting it All Together

3 min
- ✔

Practice Quiz: Module 2 Practice Quiz

11 questions
- ✔

Reading: SQL for Various Data Science Languages

25 min

Review and Practice

✔ Congratulations! You passed!

Grade received 100%. To pass 80% or higher

Practice Quiz • 30 min

Module 2 Practice Quiz

Go to next item

1. For all the questions in this practice set, you will be using the *Salary by Job Range Table*. This is a single table that contains the following columns:

- SetID
- Job_Code
- Eff_Date
- Sal_End_Date
- Salary_setID
- Sal_Plan
- Grade
- Step
- Biweekly_High_Rate
- Biweekly_Low_Rate
- Union_Code
- Extended_Step
- Pay_Type

Please refer to this information to write queries to answer the questions. **Are you ready to get started?**

- ☒ Yes, I am ready to begin.
- ☐ No, I am not ready to begin.

✔ **Correct**
Great, let's get started!

1 / 1 point

Try again

Your grade

100%

View Feedback

We keep your highest score

2. Find the distinct values for the extended step. The code has been started for you, but you will need to program the third line yourself before running the query.

```
1 SELECT DISTINCT Extended_step FROM salary_range_by_job_classification;
2
3 -- SELECT COUNT(DISTINCT Extended_step) FROM salary_range_by_job_classification;
4 -- SELECT COUNT(DISTINCT Extended_step) AS distinct_extended_step FROM salary_range_by_job_classification;
```

Reset

Which of the following values is not a distinct value?

- ☒ 5
- ☐ 11
- ☐ 2
- ☐ 0
- ☐ 6

✔ **Correct**
Here is what you should have in your script. If you programmed correctly, you will have seen that this number is not a distinct value.

```
1 SELECT
2 distinct Extended_step
3 from salary_range_by_job_classification;
```

Run

Reset

3. Excluding \$0.00, what is the minimum bi-weekly high rate of pay (*please include the dollar sign and decimal point in your answer*)? The code has been started for you, but you will need to add onto the last line of code to get the correct answer.

```
1 Select MIN(Biweekly_high_Rate)
2 FROM salary_range_by_job_classification
3 WHERE Biweekly_High_Rate <> '$0.00';
4 -- WHERE Biweekly_High_Rate NOT IN ('$0.00');
5
6
7
8 -- Select *
9 -- FROM salary_range_by_job_classification
10 -- WHERE Biweekly_High_Rate='<div>$0.00';
```

Run

Reset

\$100.00

✔ **Correct**

Great job! You knew how to complete the query to find the answer!

1 / 1 point

4. What is the maximum biweekly high rate of pay (*please include the dollar sign and decimal point in your answer*)? The code has been started for you, but you will need to add onto the last line of code to get the correct answer.

```
1 SELECT MAX(Biweekly_high_Rate) FROM salary_range_by_job_classification;
2 -- SELECT MAX(Biweekly_high_Rate) AS BHR FROM salary_range_by_job_classification;
```

Run

Reset

\$9726.38

✔ **Correct**

Great job! You knew how to complete the query to find the answer!

1 / 1 point

5. What is the pay type for all the job codes that start with '03'? The code has been started for you, but you will need to program the fourth and fifth lines yourself before running the query.

```
1 SELECT Pay_type FROM salary_range_by_job_classification
2 WHERE Job_Code LIKE "03%";
3
4 -- SELECT * FROM salary_range_by_job_classification;
```

Run

Reset

B

✔ **Correct**

Great job! You knew how to complete the query to find the answer!

1 / 1 point

6. Run a query to find the Effective Date (eff_date) or Salary End Date (sal_end_date) for grade Q90H0? The code has been started for you, but you will need to program the third through the sixth lines yourself before running the query.

```
1 SELECT eff_date, sal_end_date
2 FROM salary_range_by_job_classification
3 WHERE Grade = 'Q90H0';
4
5 -- SELECT * FROM salary_range_by_job_classification;
```

Run

Reset

What is the **Effective Date** (eff_date) for grade Q90H0? (*include date and time*)

12/26/2009 12:00:00 AM

✔ **Correct**

Great job! You knew how to complete the query to find the answer!

1 / 1 point