← Back Weekly challenge 4
Graded Quiz • 50 min **Due** Jul 2, 11:59 PM +08

Databases

SQL joins

Course 4!

Video: Wrap-up

SQL queries More SQL filters

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Congratulations! You passed!
Introduction to SQL and
                                                                                                                                                                                       Go to next item
                                                 Grade Week Matest Submission received & Week Matest Submission higher
                                                                 Quiz • 50 min
                                                                  Review Learning Objectives
 Review: Databases and SQL
                                             1. Why might a security analyst use SQL?
                                                                                                                                                                                                     1/1 point

    Reading: Glossary terms from week
    To assign resulting the passing or design resulting to the passing or design resulting the passing or design resulting to the passing or design resulting to the passing or design resulting the passing or design resulting to the passing or design resultin
                                                                                                                                                                                                                                   Try again
                                                 To efficiently find needed data in ARCHITES logsvery 24 hours
 Quiz: Weekly challenge 4
                                                  O To create new files on their computer
 Congratulations on completing
                                                                                                                                                                                               Your grade
                                                  Correct To Pass 80% or higher
                                                                                                                                                                                                                   We keep your highest score
                                            2. What is a primary key? \bigcirc Dislike \square Report an issue
                                                                                                                                                                                                     1/1 point
                                                 O The first row in every table
                                                  A column that contains null values
                                                 The first column in every table

    A column where every row has a unique entry

                                                  ⊘ Correct
                                             3. Which of these SQL statements queries the machines table? Select all that apply.
                                                                                                                                                                                                     1/1 point
                                                  SELECT *
                                                        FROM machines;
                                                   ⊘ Correct
                                                  SELECT device_id, operating_system
                                                        WHERE operating_system = 'OS 2';
                                                   ⊘ Correct
                                                  SELECT machines
                                                       FROM *;
                                                  SELECT machines
                                                       FROM operating_system;
                                             4. Both an employees table and a machines table contain an employee_id column, and you want to return only 1/1 point
                                                  the records that share a value in this column. Which keyword should be part of your query?
                                                  • INNER JOIN
                                                  O BETWEEN
                                                  O FULL OUTER JOIN
                                                  O WHERE
                                                   ⊘ Correct
                                             5. A security professional uses SQL to return records from a table and applies a filter to the query. Which of the
                                                                                                                                                                                                    1/1 point
                                                  following keywords would they need to use in their query? Select all that apply.
                                                  ✓ WHERE
                                                    ⊘ Correct

✓ SELECT

                                                  ✓ FROM
                                                  ON
                                             6. Which query returns all records that start with the character 'a' from the name column in the employees table?

1/1 point
                                                  SELECT name
                                                        WHERE name LIKE 'a%';
                                                  O SELECT name
                                                        FROM employees
                                                        WHERE name LIKE 'a';
                                                  O SELECT name
                                                       FROM employees
                                                        WHERE name LIKE '%a';
                                                  O SELECT name
                                                        WHERE name = 'a%';
                                                   ⊘ Correct
                                             7. What does the following query return?
                                                                                                                                                                                                     0 / 1 point
                                                  SELECT *
                                                  FROM employees
                                                  RIGHT JOIN machines ON employees.device_id = machines.device_id;
                                                  All columns of the employees and machines table, all records from the machines table, and the records
                                                       from employees that match on device_id
                                                  All columns of the employees and machines table and the records from employees and machines that
                                                  All columns of the employees and machines table, all records from the employees table, and the
                                                       records from machines that match on device_id

    All columns and records from the employees and machines tables

                                                    ⊗ Incorrect
                                                         Please review the video on types of joins [4].
                                             8. You are working with the Chinook database. You want to return the employeeid and email columns from the employees table. 1/1
                                               Replace --??? with the missing information to complete the query. (If you want to undo your changes to the query, you can click the point
                                               Reset button.)
                                                        1 SELECT employeeid, email
                                                        2 FROM employees
                                                        3 WHERE email = "laura@chinookcorp.com";
                                                                                                                                                                                                   Run
                                                  | EmployeeId | Email
                                                                8 | laura@chinookcorp.com |
                                               What is the employee ID number of the employee with an email of laura@chinookcorp.com?
                                                  8
                                                  O 2
                                                  O 4
                                                  O 6
                                                    ⊘ Correct
                                             9. You are working with the Chinook database and are responsible for filtering for invoices with a total that is more than 20. Replace - 0/1
                                               -??? with the missing information to complete the query. (If you want to undo your changes to the query, you can click the Reset point
                                               button.)
                                                        1 SELECT customerid, total
                                                        2 FROM invoices
                                                        3 GROUP BY customerid
                                                                                                                                                                                                   Run
                                                        4 HAVING total > 20
                                                       5 --???
                                                  | CustomerId | Total |
                                                               6 | 25.86 |
                                               How many invoices have a total that is more than 20?
                                                  O 3
                                                  O 4
                                                  1
                                                  O 2
                                                         Please review the video on filtering dates and numbers 🗹.
                                             10. You are working with the Chinook database and are responsible for filtering for customers that live in the country of 'USA' and the 1/1
                                                 state with an abbreviation of 'CA'. Replace --??? with the missing information to complete the query. (If you want to undo your point
                                                changes to the query, you can click the Reset button.)
                                                         1 SELECT firstname, lastname, address, country, state
                                                         2 FROM customers
                                                         3 WHERE country = 'USA' AND state = "CA"
                                                                                                                                                                                                    Run
Reset
                                                    | FirstName | LastName | Address
                                                                                                                            | Country | State | | | |
                                                    | Frank | Harris | 1600 Amphitheatre Parkway | USA | CA |
| Tim | Goyer | 1 Infinite Loop | USA | CA |
| Dan | Miller | 541 Del Medio Avenue | USA | CA |
                                                  What are the first names of the customers that live in the USA and the state with an abbreviation of CA?
                                                  Frank, Tim, Dan, Heather, Kathy
                                                  O John, Michelle, Julia, Patrick
                                                  Cathy, Michelle, Frank
                                                  Frank, Tim, Dan
                                                  ⊘ Correct
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