COMM1822

Term 2 2022

Introduction to Databases for Business Analytics

Assignment Project Exam Help

Week 9 Subqueries https://eduassistpro.github.io/ and Merge Statement Add WeChat edu_assist_pro

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- □ A subquery is a nested query one complete query inside another query.

 Assignment Project Exam Help
- The results of the subhttps://eduassistpro.githtly)iwill be passed to the outer query (also

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With the **exception** of the ORDER BY clause, you can virtually nest a subquery in any of the clauses in a SELECT statement

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SELECT

<SubQuery>

FROM

<SubQuery>

JOIN

<SubQuery>

WHERE

<SubQuery>

HAVING

<SubQuery>

ORDER BY

<Column>

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Subquery	Description
Single-row subquery As	Returns to the puter query one row of results that consists of one column
Multiple-row subquery	Rhttps://eduassistpro.ghthubeio/w of results
Multiple-column subquery	Returns to the cutert edu_assist_ope solumn of results
Correlated subquery	References a column in the outer query, and executes the subquery once for every row in the outer query
Uncorrelated subquery	Executes the subquery first and passes the value to the outer query



Multiple-Row Subqueries

Operator	Description
> ALL As	Mogenthe Prightest value attarred by the subquery
< ALL	L https://eduassistpro.github.io/
< ANY	Less than the highest d by the subquery Add WeChat edu_assist_pro
> ANY	More than the lowest value returned by the subquery
= ANY	Equal to any value returned by the subquery (same as IN)



Multiple-Row Subqueries

- ☐ Multiple Row Subqueries return more than one row of results.
- Operators such as IN, ANY, ALL, or EXISTS.

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The subquery's results as a subquery's results as a subquery's results as a subquery's results as a subquery as a subquery as a subquery's results as a subquery as a subq



Multiple-Column Subqueries

A multiple column subquery returns more than one column to the parent query and can be listed in the parent query's FROM, WHERE or HAVING clause.

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Nested Subqueries

The innermost subquery is executed first, then the next Assignment Project Exam Help highest level subquery is executed, and so on, u https://eduassistpro.github.io/outermost query is reac Add WeChat edu_assist_pro



Correlated Subqueries vs Uncorrelated Subqueries

- ☐ The sequences of **uncorrelated subqueries** process are as follows:
 - 1) Inner query is executed first
 - 2) The result is then pasiseument Reginet Fremul Helparent query
 - 3) Parent query is execu

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- On the other hand, the process segu edu_assist_pro different:
 - 1) Inner query is executed once for each row processed by the parent query
 - 2) Inner query references the row contained in the parent query



Exercise Assignment Project Exam Help

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Logistics Database

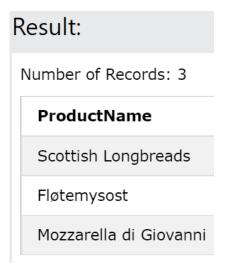
Consider the Logistics Database from https://www.w3schools.com/sql/sql_any_all.asp

```
Tables in the database: Assignment Project Exam Help
Customers (CustomerlD, CustomerName, ContactName, Address, City, PostalCode, Country)
Category (CategoryID, CategoryN
Employees (EmployeeID, LastNa https://eduassistpro.github.jio/
Suppliers (SupplierID, SupplierName, ContactName, ostalCode, Country, Phone)
Products (ProductID, ProductName, Supplierid, Cate edu_assistee)
Shippers (ShipperID, ShipperName, Phone)
Orders (OrderID, CustomerID, EmployeeID, OrderDate, ShipperID)
OrderDetails (OrderDetailID, OrderID, ProductID, Quantity)
```

List the product name if it finds any records in the OrderDetails table has quantity equal to 3.

```
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```

```
SELECT ProductNam
FROM Products https://eduassistpro.github.io/
WHERE ProductID = ANY
( SELECT ProductID Add WeChat edu_assist_pro
FROM OrderDetails
WHERE Quantity = 3
```





List the customer's name who has ordered a product with quantity of at least 80.

```
Customer Assignment Project Exam: Help
                                                                                    Result:
SELECT
                                                                                    Number of Records: 5
FROM
                 Customers
                 CustomerID = https://eduassistpro.gilshable; io/
                                                                                      CustomerName
WHERE
                                                                                      Ernst Handel
                 CustomerID
    SELECT
                                                                                      Hungry Owl All-Night Grocers
    FROM
                 Orders
                                  Add WeChat edu_assist_pro
                                                                                      QUICK-Stop
                 OrderID = ANY
    WHERE
                                                                                      Save-a-lot Markets
        SELECT
                                                   3. List all the eligible
                          OrderID
                                                                                      Seven Seas Imports
                                                       customers' names in
        FROM
                          OrderDetails
                                                       Customers table.
                          Quantity >= 80
        WHERE
                                                   Customers (CustomerID, CustomerName, ...)
                                                   Orders (OrderID, CustomerID, ...)
                                                   OrderDetails (OrderDetailID, OrderID, ..., Quantity)
```



List the product name if ALL the records in the OrderDetails table has quantity equal to 3.

```
SELECT ProductNamesignment Project Exam Help
FROM Products

WHERE ProductID = A https://eduassistpro.github.io/
FROM ProductID
FROM OrderDetails
WHERE Quantity = 3

ProductName

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Product Exam H
```



);

List the customer's name who has ordered the same products as customer 3. (Please use this link https://www.w3schools.com/sql/trysql.asp?filename=trysql_select_join) Assignment Project Exam Help

```
FROM Customers JOIN https://eduassistpro.github.io/Petails USING (OrderID)
WHERE ProductID IN

( SELECT ProductID
FROM OrderDetails JOIN order eduassist pro.github.io/Petails USING (OrderID)

Result:
Number of Records: 8

CustomerID = 3
```



Wilman Kala

LILA-Supermercado

Folk och fä HB

Piccolo und mehr

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Ernst Handel
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Questions

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