Answer Sheet SQL Final Adam Rae

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1. Open and execute the script file ClientOrders.sql.(Mark1)



2.List only those clients that live in Dunedin. (Mark1)

SELECT [firstname],[lastname],[city]

FROM [dbo].[client]

WHERE [city] like 'Dun%';

Graphical user interface, table

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3.List the clients whose last name begins with the letter J. (Marks 1)

SELECT [firstname],[lastname]

FROM [dbo].[client]

WHERE [lastname] like 'J%';

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4.Which clients have a balance between $50 and $150? (Marks 1)

SELECT [firstname],[lastname],[balance]

FROM [dbo].[client]

WHERE [balance] >= 50

AND

[balance] <= 150;

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5.What city does our client Mary Nelson live in? (Marks 2)

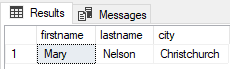
SELECT [firstname],[lastname],[city]

FROM [dbo].[client]

WHERE [firstname] like 'Mary'

AND

[lastname] like 'Nelson';



6.Which clients have a balance below $200 and live in Dunedin? (Marks 2)

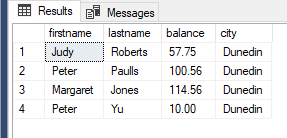
SELECT [firstname],[lastname],[balance],[city]

FROM [dbo].[client]

WHERE [balance] < 200

AND

[city] like 'Dune%'



7.What is the difference between the clients limit and their current balance for each client? (Hint: calculate the limit field minus the balance field). Name the field you create New Balance.(Marks 3)

SELECT [custref],[creditlimit],[balance],[creditlimit]-[balance] as NewBalance

Table

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8.What is the total price for each line of the order?

(Hint: multiply the quantity by the quoted price) Name the new field LineTotal. (Marks 2)

SELECT [orderref],[partref],[quantity],[quotedPrice],[quantity]\*[quotedPrice] as LineTotal

FROM [dbo].[orderline];

Table

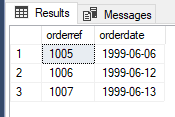
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9.Which client orders (Custorder) were place after 1/6/99?

SELECT [orderref],[orderdate]

FROM [dbo].[custorder]

WHERE [orderdate] > '6/1/99';



(Marks 2)

10.How many clients live in each city where the number of clients is more than 3? (Marks 3)

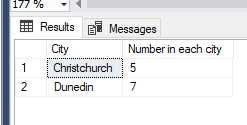
SELECT City,COUNT(firstName) as 'Number in each city'

FROM [dbo].[client]

GROUP BY City

HAVING COUNT(firstName) > 3

;



11.What is the total balance for each sales rep?

?

(Marks 2)

12.What is the maximum balance for each city? (Marks 2)

??

13.List all of our clients and their client representatives (repref). Display the clientname as one field, and the rep name as one field. (Marks 3)

14.List the first and last name of the clients next to their customer order(custorder) and include the date of the customers order.(Marks 2)

15.What are the descriptions and amount on hand of the parts that appear on order line 1007. Show only the records for 1007 in your answer? (Marks 2)

SELECT [orderref],[description],[onHand]

FROM [dbo].[orderline],[dbo].[part]

WHERE [orderref] = 1007

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16. List the description of the parts and their quoted price and quantity on eachorderline. Sort by description.

SELECT [orderref],[description],[quotedPrice],[quantity]

FROM [dbo].[orderline],[dbo].[part]

ORDER BY [description]

17.List the description of the parts and their quoted price and quantity on eachorderline. Only display the records that have a quoted price over 200.

SELECT [description],[quotedPrice],COUNT([quantity])

FROM [dbo].[orderline],[dbo].[part]

GROUP BY [quantity]

HAVING COUNT([quantity]) > 200;

18.List all orders (order ref, order date), the client name for those orders, and allpart descriptions and unit prices.

SELECT [description],[quotedPrice],COUNT([quantity])

FROM [dbo].[orderline],[dbo].[part]

GROUP BY [quantity]

HAVING COUNT([quantity]) > 200;

List all orders (order ref, order date), the client name for those orders, and allpart descriptions and unit prices. Display only the records where the orderdate is after 10/6/99.

SELECT [orderref],[orderdate],[firstname],[lastname],[description],[unitPrice]

FROM [dbo].[custorder],[dbo].[client],[dbo].[part]

WHERE [orderdate] > '6/10/99';

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20.List all orders (order ref, order date), the client name for those orders, the rep’s name, and all part descriptions. (Marks 3)

SELECT [orderref],[orderdate],[firstname],[lastname],[RepFirstname],[RepLastName],[description]

FROM [dbo].[custorder],[dbo].[client],[dbo].[part],[dbo].[rep]

21.What is the total balance for each sales rep. Display the rep name as onefield. (Marks 3)

22.Using the answer from Question 8, now display the total linetotal (sum oflinetotal) for each Order (orderref). (Marks 3)

SELECT [orderref],sum([quantity]\*[quotedPrice]) as LineTotal

FROM [dbo].[orderline];