

Intermediate Assignment SQL

Daniel Obed

Question 1 Table Result Schema & Table Result

W5_Daniel_Obed_Q1

QUERY

SCHEMA

DETAILS

PREVIEW

Filter

Enter property name or value

	Field name	Type	Mode
<input type="checkbox"/>	Month_Year	STRING	NULLABLE
<input type="checkbox"/>	Status	STRING	NULLABLE
<input type="checkbox"/>	Total_Unique_User	INTEGER	NULLABLE
<input type="checkbox"/>	Total_Orders	INTEGER	NULLABLE
<input type="checkbox"/>	Total_Sale_Price	FLOAT	NULLABLE

W5_Daniel_Obed_Q1

QUERY

SHARE

COPY

SNAPSHOT

DELETE

SCHEMA

DETAILS

PREVIEW

Row	Month_Year	Status	Total_Uniqu...	Total_Orders	Total_Sale_...
1	2019-01	Shipped	4	4	137.959999...
2	2019-02	Shipped	15	15	832.370003...
3	2019-03	Shipped	46	47	4283.33000...
4	2019-04	Shipped	57	57	4636.03002...
5	2019-05	Shipped	73	73	5344.86000...
6	2019-06	Shipped	99	99	8380.48001...
7	2019-07	Shipped	107	108	8770.01002...
8	2019-08	Shipped	135	136	11165.7400...
9	2019-09	Shipped	130	130	9317.81001...
10	2019-10	Shipped	166	168	16028.4900...
11	2019-11	Shipped	170	172	12923.0900...
12	2019-12	Shipped	210	211	19168.1900...

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Question 1 SQL Syntax: [Link](#)

Select

```
    FORMAT_DATE ("%Y-%m", DATE (T1.created_at)) Month_Year
    ,T1.status Status
    ,COUNT (DISTINCT T1.user_id) Total_Unique_User
    ,COUNT (T1.order_id) Total_Orders
    ,SUM (T2.sale_price * T1.num_of_item) Total_Sale_Price
FROM `bigquery-public-data.thelook_ecommerce.orders` T1
LEFT JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2
ON T1.order_id = T2.id
WHERE T2.created_at BETWEEN '2019-01-01' AND '2022-08-31'
GROUP BY 1,2
ORDER BY 1,2 ASC
```

Question 2 Table Result Schema & Table Result

W5_Daniel_Obed_Q2

QUERY

SCHEMA

DETAILS

PREVIEW

Filter

Enter property name or value

	Field name	Type	Mode
	Month_Year	STRING	NULLABLE
	Frequencies	FLOAT	NULLABLE
	AOV	FLOAT	NULLABLE
	Unique_Buyer	INTEGER	NULLABLE

W5_Daniel_Obed_Q2

QUERY

SHARE

COPY

SCHEMA

DETAILS

PREVIEW

Row	Month_Year	Frequencies	AOV	Unique_Buyer
1	2019-01	1.0	237.333333...	3
2	2019-02	1.0	41.2521736...	23
3	2019-03	1.0	82.5868000...	50
4	2019-04	1.0	81.0892309...	52
5	2019-06	1.0	70.3017856...	84
6	2019-07	1.0	91.2375000...	112
7	2019-09	1.0	78.4161309...	168
8	2019-11	1.0	94.0056976...	172
9	2019-12	1.0	77.4987499...	176
10	2020-01	1.0	83.8581516...	211
11	2020-02	1.0	73.2529441...	214
12	2021-08	1.00580046	83.8350981	862

Question 2 SQL Syntax: [Link](#)

```
SELECT
  FORMAT_DATE ("%Y-%m", DATE (T1.created_at)) Month_Year
  ,COUNT (T1.order_id) / COUNT (DISTINCT (T1.user_id)) Frequencies
  ,AVG (T1.num_of_item * T2.sale_price) AOV
  ,COUNT (DISTINCT T1.user_id) Unique_Buyer
FROM `bigquery-public-data.thelook_ecommerce.orders` T1
LEFT JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2
ON T1.order_id = T2.id
WHERE T1.created_at BETWEEN '2019-01-01' AND '2022-08-31'
AND T1.status = 'Complete'
GROUP BY 1
ORDER BY 1 ASC
```

Question 3 Table Result Schema & Table Result

W5_Daniel_Obed_Q3

QUERY

SCHEMA

DETAILS

PREVIEW

Filter

Enter property name or value

	Field name	Type	Mode
<input type="checkbox"/>	User_ID	INTEGER	NULLABLE
<input type="checkbox"/>	Email	STRING	NULLABLE
<input type="checkbox"/>	First_Name	STRING	NULLABLE
<input type="checkbox"/>	Last_Name	STRING	NULLABLE

W5_Daniel_Obed_Q3

QUERY

SHARE

COPY

SNAPSHOT

SCHEMA

DETAILS

PREVIEW

Row	User_ID	Email	First_Name	Last_Name
1	55965	amyjames@example.net	Amy	James
2	47892	annblack@example.org	Ann	Black
3	48535	annhartman@example.org	Ann	Hartman
4	8746	ianellis@example.org	Ian	Ellis
5	28158	ianreynolds@example.org	Ian	Reynolds
6	54798	jaywoodard@example.net	Jay	Woodard
7	97351	jaymcintyre@example.org	Jay	Mcintyre
8	43406	jonperez@example.com	Jon	Perez
9	96096	joysparks@example.com	Joy	Sparks
10	88457	kimmejia@example.org	Kim	Mejia
11	365	leevillanueva@example.org	Lee	Villanueva
12	365	leevillanueva@example.org	Lee	Villanueva

Results per page: 50 1 -

Question 3 SQL Syntax: [Link](#)

```
SELECT
  T1.id User_ID
  ,T1.email Email
  ,T1.first_name First_Name
  ,T1.last_name Last_Name
FROM `bigquery-public-data.thelook_ecommerce.users` T1
INNER JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2
ON T1.id = T2.user_id
WHERE T2.status = 'Returned'
AND DATE_TRUNC (T2.created_at, MONTH) = '2022-08-01'
ORDER BY 1
```

Question 4 Table Result Schema & Table Result

W5_Daniel_Obed_Q4

QUERY

SCHEMA

DETAILS

PREVIEW

Filter

Enter property name or value

Field name

Type

Mode

Product_ID

INTEGER

NULLABLE

Product_Name

STRING

NULLABLE

Retail_Price

FLOAT

NULLABLE

Cost

FLOAT

NULLABLE

Profit_per_Qty

FLOAT

NULLABLE

Qty_Sold

INTEGER

NULLABLE

Profit

FLOAT

NULLABLE

W5_Daniel_Obed_Q4

QUERY

SHARE

COPY

SNAPSHOT

DELETE

EXPORT

SCHEMA

DETAILS

PREVIEW

Row

Product_ID

Product_Name

Retail_Price

Cost

Profit_per_Q...

Qty_Sold

Profit

1

24447

Darla

999.0

404.595001...

594.404998...

15

8916.07498...

2

2796

ASCIS Cushion Low Socks (Pa...

903.0

373.842001...

529.157998...

16

8466.52797...

3

2793

adidas Women's adiFIT Slim Pa...

903.0

375.648001...

527.351998...

13

6855.57598...

4

20228

Faconnable Men's Double Face...

487.5

185.737499...

301.762500...

19

5733.48750...

5

24341

Nobis Yatesy Parka

950.0

381.900002...

568.099997...

10

5680.99997...

Question 4 SQL Syntax: [Link](#)

SELECT

```
T3.id Product_ID
,T3.name Product_Name
,T3.retail_price Retail_Price
,T3.cost Cost
,(T3.retail_price - T3.cost) Profit_per_Qty
,SUM (T1.num_of_item) Qty_Sold
,SUM ((T3.retail_price - T3.cost) * T1.num_of_item) Profit
```

FROM `bigquery-public-data.thelook_ecommerce.orders` T1

INNER JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2

ON T1.order_id = T2.id

LEFT JOIN `bigquery-public-data.thelook_ecommerce.products` T3

ON T2.product_id = T3.id

GROUP BY 1,2,3,4

ORDER BY 7 DESC

LIMIT 5

Question 5 Table Result Schema & Table Result

W5_Daniel_Obed_Q5 [QUERY](#) [+](#)

[SCHEMA](#) [DETAILS](#) [PREVIEW](#)

[Filter](#) Enter property name or value

<input type="checkbox"/>	Field name	Type	Mode
<input type="checkbox"/>	Product_Categories	STRING	NULLABLE
<input type="checkbox"/>	Date	DATE	NULLABLE
<input type="checkbox"/>	Month_To_Date	FLOAT	NULLABLE

W5_Daniel_Obed_Q5 [QUERY](#) [SHARE](#)

[SCHEMA](#) [DETAILS](#) [PREVIEW](#)

Row	Product_Categories	Date	Month_To_D...
1	Accessories	2022-05-15	246.266771...
2	Accessories	2022-05-16	599.351115...
3	Accessories	2022-05-17	834.812915...
4	Accessories	2022-05-18	1458.63833...
5	Accessories	2022-05-19	1899.89836...
6	Accessories	2022-05-20	1997.24828...
7	Accessories	2022-05-21	2397.37897...
8	Accessories	2022-05-22	2779.29246...
9	Accessories	2022-05-23	3562.78172...
10	Accessories	2022-05-24	3766.18723...
11	Accessories	2022-05-25	4362.13080...
12	Accessories	2022-05-26	4834.45379...

Result

Question 5 SQL Syntax: [Link](#)

```
WITH Result AS (  
  SELECT  
    T3.category Product_Categories  
    ,DATE (T1.created_at) Date  
    ,SUM((T3.retail_price - T3.cost) * T1.num_of_item) Profit  
  FROM `bigquery-public-data.thelook_ecommerce.orders` T1  
  INNER JOIN `bigquery-public-data.thelook_ecommerce.order_items` T2  
  ON T1.order_id = T2.id  
  LEFT JOIN `bigquery-public-data.thelook_ecommerce.products` T3  
  ON T2.product_id = T3.id  
  WHERE DATE (T1.created_at) >= DATE_SUB(DATE '2022-08-15' , INTERVAL 3 MONTH)  
  GROUP BY 1,2  
  ORDER BY 1,2  
)  
  
SELECT  
  Result.Product_Categories  
  ,Result.Date  
  ,SUM (Result.Profit) OVER (PARTITION BY Result.Product_Categories, EXTRACT(MONTH FROM Result.Date) ORDER BY Result.Date) Month_To_Date  
FROM Result  
ORDER BY 1,2
```