

1.	Tampilkan daftar produk unik yang terjual di bulan Juli 2019.	ecommerce.online_sales	Produk_Description
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DigitalSkola_DB - Beekeeper Studio - Free Trial (13 days left)

Homework - Advance SQL

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1  /*
2  Soal 1:
3  Tampilkan daftar produk unik yang terjual di bulan Juli 2019.
4
5  Tabel yang digunakan:
6  ecommerce.online_sales
7
8  Field yang ditampilkan:
9  Produk_Description
10 */
11
12 select DISTINCT t1."Product_Description"
13 from ecommerce.online_sales as t1
14 where EXTRACT(YEAR from "Transaction_Date") = 2019
15 AND EXTRACT(MONTH from "Transaction_Date") = 7;

```

Save Run Selection

	Product_Description
1	1 oz Hand Sanitizer
2	20 oz Stainless Steel Insulated Tumbler
3	22 oz Android Bottle
4	22 oz YouTube Bottle Infuser
5	23 oz Wide Mouth Sport Bottle
6	25L Classic Rucksack
7	26 oz Double Wall Insulated Bottle
8	7" Dog Frisbee
9	8 pc Android Sticker Sheet
10	Android 17oz Stainless Steel Sport Bottle
11	Android BTTF Cosmos Graphic Tee
12	Android BTTF Moonshot Graphic Tee
13	Android Hard Cover Journal
14	Android Infant Short Sleeve Tee Pewter
15	Android Infant Short Sleeve Tee Pink

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- | | | | |
|----|--|------------------------|------------------------------------|
| 2. | Tampilkan daftar kategori produk yang jumlah penjualan produknya lebih dari 20000. | ecommerce.online_sales | Product_Category,
sum(Quantity) |
|----|--|------------------------|------------------------------------|

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18 /*
19 Soal 2:
20 Tampilkan daftar kategori produk yang jumlah penjualan produknya lebih dari 20000
21
22 Tabel yang digunakan:
23 ecommerce.online_sales
24
25 Field yang ditampilkan:
26 Product_Category,
27 sum(Quantity)
28
29 */
30
31 select t2."Product_Category", sum(t2."Quantity")
32 from ecommerce.online_sales as t2
33 group by t2."Product_Category"
34 having sum(t2."Quantity") > 20000
35

Save Run Selection

	Product_Category	sum
1	Office	88383
2	Drinkware	30501
3	Apparel	32438
4	Nest-USA	21430
5	Lifestyle	24881

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3.	<p>Hitung berapa rata-rata GMV (Gross Merchandise Value) untuk seluruh penjualan produk kategori "Bags".</p> <p>Note: $GMV = Quantity * Avg_Price$</p>	ecommerce.online_sales	avg(gmv)
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Homework - Advance SQL

```

37  /*
38  Soal 3:
39  Hitung berapa rata-rata GMV (Gross Merchandise Value) untuk seluruh penjualan produk kategori "Bags".
40  Note: GMV = Quantity * Avg_Price
41
42  Tabel yang digunakan:
43  ecommerce.online_sales
44
45  Field yang ditampilkan:
46  avg(gmv)
47
48  */
49
50  select avg(t3."Quantity" * t3."Avg_Price")
51  from ecommerce.online_sales as t3
52  where t3."Product_Category"='Bags'
53
54

```

Save
Run Selection

	avg
1	80.4008660998937301

1
0 affected
2559ms
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4. Tampilkan daftar customer yang ecommerce.customers CustomerID, Location 'tenure_months'-nya lebih besar dari rata-rata 'tenure_months' seluruh customer .

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```
56 /*
57 Soal 4:
58 Tampilkan daftar customer yang 'tenure_months'-nya lebih besar dari rata-rata 'tenure_months' seluruh customer
59
60 Tabel yang digunakan:
61 ecommerce.customers
62
63 Field yang ditampilkan:
64 CustomerID, Location
65
66 */
67
68 select t4."CustomerID", t4."Location"
69 from ecommerce.customers as t4
70 where t4."Tenure_Months" >
71 (
72     select avg("Tenure_Months")
73     from ecommerce.customers
74 )
75
```

	CustomerID ▲	Location ▲
1	13047	California
2	12583	Chicago
3	13748	California
4	15100	California
5	15291	California
6	14688	New York
7	15311	Chicago
8	14527	California
9	16098	Chicago

741 0 affected 523ms

5. Tampilkan pada tanggal (unik) berapa saja customer yang berasal dari kota yang berawalan "New" melakukan transaksi. ecommerce.online_sales, Transaction_Date ecommerce.customers

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```
76 /*
77 Soal 5:
78 Tampilkan pada tanggal (unik) berapa saja customer yang berasal dari kota yang berawalan "New" melakukan transaksi
79
80 Tabel yang digunakan:
81 ecommerce.online_sales,
82 ecommerce.customers
83
84 Field yang ditampilkan:
85 Transaction_Date
86
87 */
88
89 select distinct t5a."Transaction_Date"
90 from ecommerce.online_sales as t5a
91 join (
92     select "CustomerID", "Location"
93     from ecommerce.customers
94     where "Location" like 'New%'
95 ) as t5b
96 on t5a."CustomerID" = t5b."CustomerID"
```

Save Run Selection

	Transaction_Date
1	2019-04-17
2	2019-05-29
3	2019-10-15
4	2019-07-25
5	2019-09-08
6	2019-10-03
7	2019-03-21
8	2019-08-09
9	2019-06-17
10	2019-02-20
11	2019-07-08
12	2019-02-07

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