Spring Au 2021 - February
Sql Concepts & Fundamentals - Afternoon

Name - Nitin Kaushik

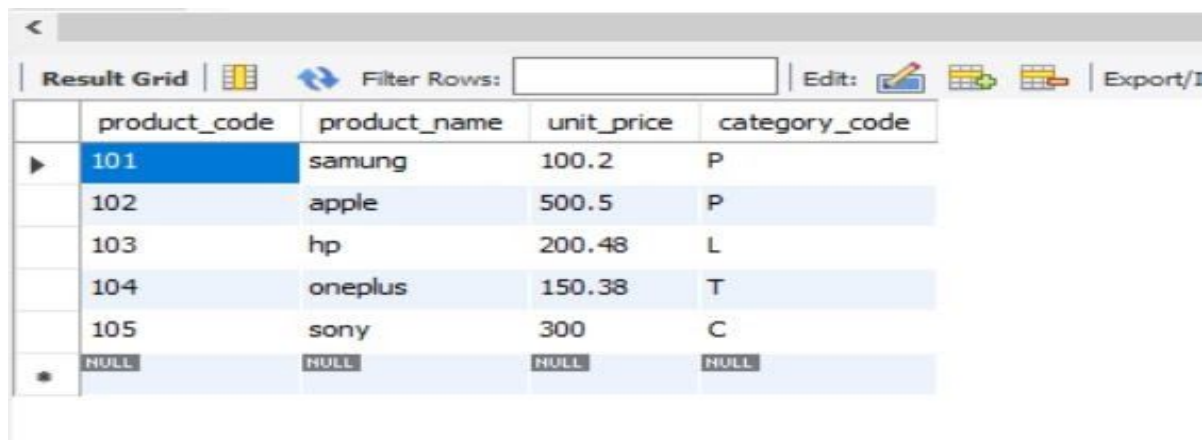**Git** - https://github.com/nitinkaushik10/SAU-Feb-Batch-2/

Ques 1 : **Assuming you are ready with ER Model transform it into a Database schema and Create tables**

Customer Table

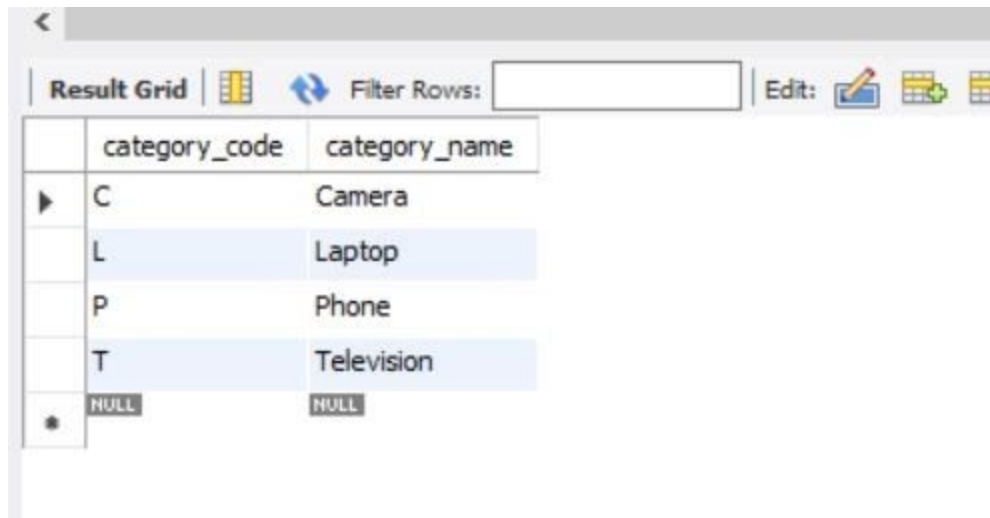| customer_id	customer_name	customer_dob	customer_mobile	custome_rgender	location_code
1	Nitin	2000-01-15	12345	male	4
2	saurabh	2000-02-01	54321	male	3
3	somya	2000-04-02	67891	female	4
4	anushka	2001-05-02	56789	female	4
5	Rohan	2002-06-05	12456	male	3
NULL	NULL	NULL	NULL	NULL	NULL

Product Table
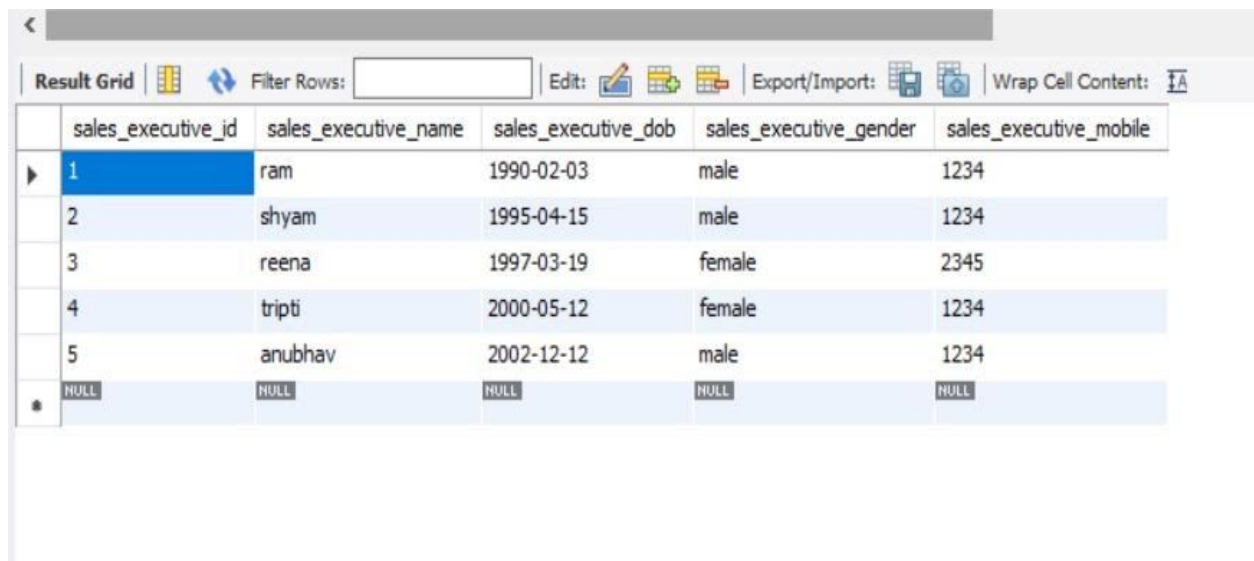
product_code	product_name	unit_price	category_code
101	samung	100.2	P
102	apple	500.5	P
103	hp	200.48	L
104	oneplus	150.38	T
105	sony	300	C
NULL	NULL	NULL	NULL

Category Table
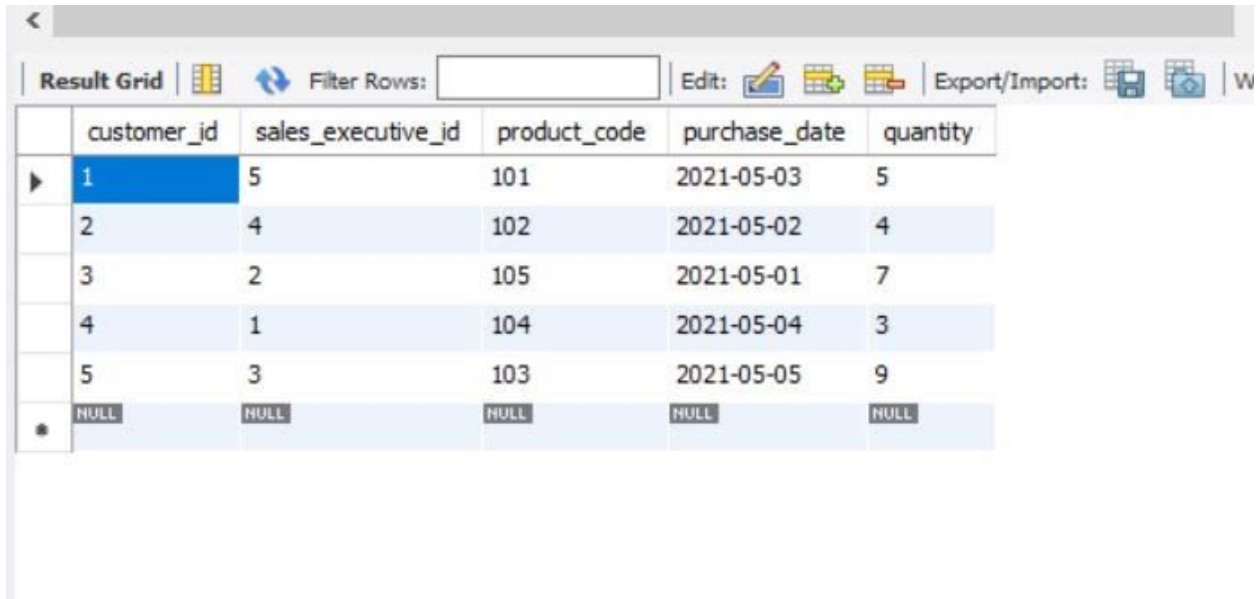
category_code	category_name
C	Camera
L	Laptop
P	Phone
T	Television
NULL	NULL

Sales executive

sales_executive_id	sales_executive_name	sales_executive_dob	sales_executive_gender	sales_executive_mobile
1	ram	1990-02-03	male	1234
2	shyam	1995-04-15	male	1234
3	reena	1997-03-19	female	2345
4	tripti	2000-05-12	female	1234
5	anubhav	2002-12-12	male	1234
NULL	NULL	NULL	NULL	NULL

Product Purchased Table

	customer_id	sales_executive_id	product_code	purchase_date	quantity
▶	1	5	101	2021-05-03	5
	2	4	102	2021-05-02	4
	3	2	105	2021-05-01	7
	4	1	104	2021-05-04	3
	5	3	103	2021-05-05	9
＊	NULL	NULL	NULL	NULL	NULL

2. Write a query to retrieve the most sold product per day in a specific location in the last week. You can pick the location of your choice.

```
use hamen_private;
SELECT p.product_code, p.product_name , pp.purchase_date ,
c.location_code, COUNT(*) as MAX_SeLL_PERDAY
from product_purchase pp
join customer c ON pp.customer_id = c.customer_id
Join product p ON p.product_code = pp.product_code
where location_code=4 and pp.purchase_date between '2021-05-01' and
'2021-05-05'
group by p.product_code, p.product_name , pp.purchase_date ;
```

3. Write a query to list all the salesperson's details along with the count of products sold by them (if any) till the current date.

use hamen_private;
select s.sales_executive_id , s.sales_executive_name ,
s.sales_executive_dob, s.sales_executive_gender ,
s.sales_executive_mobile , p.purchase_date As Product_Sold_Date,
sum(quantity) as Product_Sold

from product_purchase p right join sales_executive s
ON p.sales_executive_id= s.sales_executive_id
group by p.quantity order by Product_Sold desc;

sales_executive_id	sales_executive_name	sales_executive_dob	sales_executive_gender	sales_executive_mobile	Product_Sold_Date	Product_Sold
3	reena	1997-03-19	female	2345	2021-05-05	9
2	shyam	1995-04-15	male	1234	2021-05-01	7
5	anubhav	2002-12-12	male	1234	2021-05-03	5
4	tripti	2000-05-12	female	1234	2021-05-02	4
1	ram	1990-02-03	male	1234	2021-05-04	3