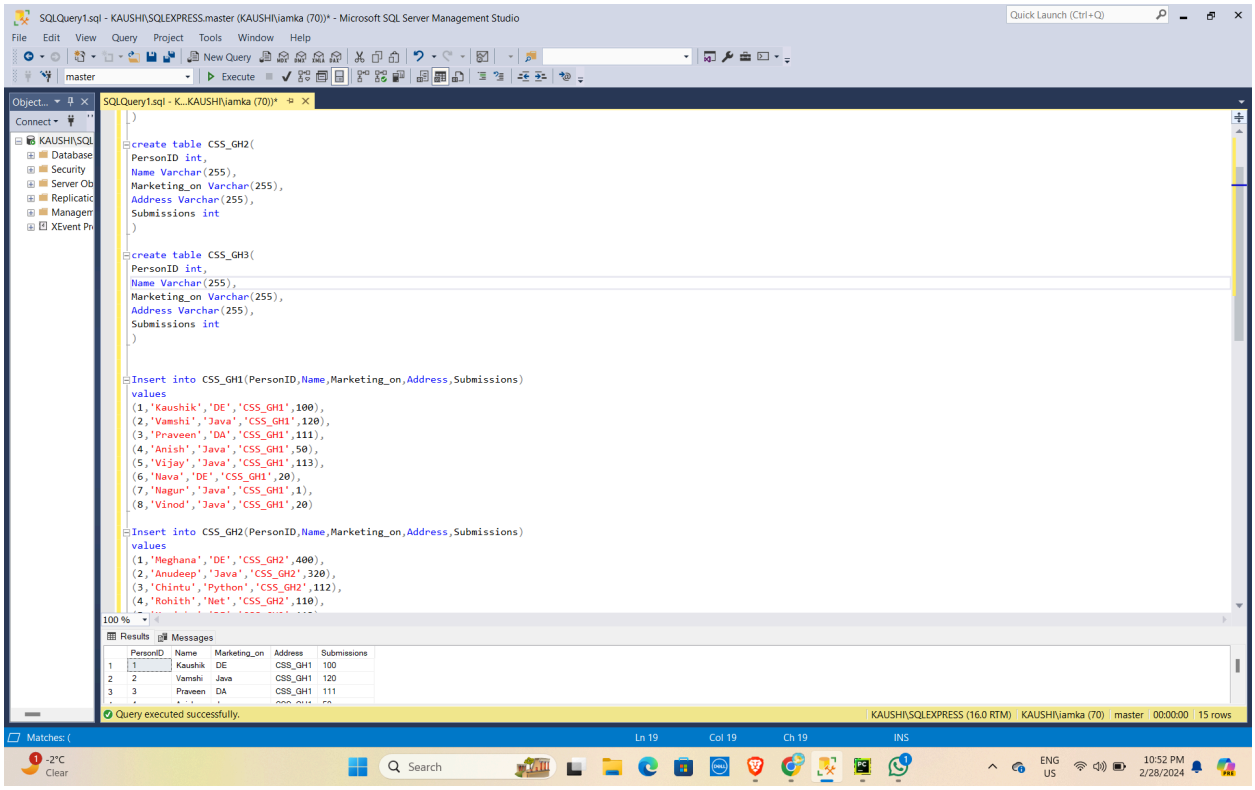
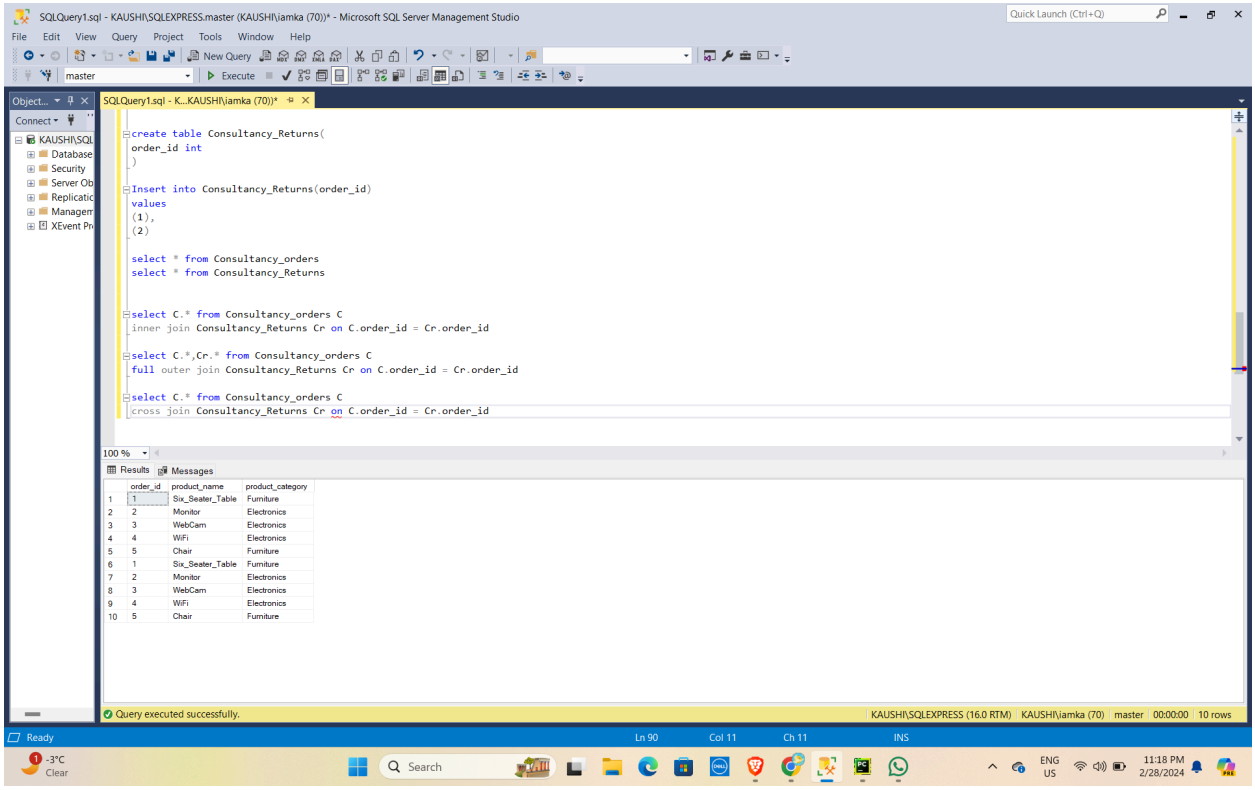
Day23 - Feb28th 2024

1. Started my day and cooked food
2. Helped my friend by taking a mock interview for data engineering
3. Solved one leetcode medium binary search problem 1146. Snapshot Array
4. It took me around 2-3hrs to understand and debug the optimized code
5. My friends has asked me to explain SQL(window functions and joins) to fellow Students
6. So I have just prepared some real life practical examples..so beginners can easily understand the concepts

7.


SQLQuery1.sql - KAUSHI\SQLEXPRESS.master (KAUSHI\iamka (70))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
SQLQuery1.sql - K...KAUSHI\iamka (70))*
create table CSS_GH2(
PersonID int,
Name Varchar(255),
Marketing_on Varchar(255),
Address Varchar(255),
Submissions int
)
create table CSS_GH3(
PersonID int,
Name Varchar(255),
Marketing_on Varchar(255),
Address Varchar(255),
Submissions int
)
Insert into CSS_GH1(PersonID,Name,Marketing_on,Address,Submissions)
values
(1,'Kaushik','DE','CSS_GH1',100),
(2,'Vamshi','Java','CSS_GH1',120),
(3,'Praveen','DA','CSS_GH1',111),
(4,'Anish','Java','CSS_GH1',50),
(5,'Vijay','Java','CSS_GH1',113),
(6,'Nava','DE','CSS_GH1',20),
(7,'Nagur','Java','CSS_GH1',1),
(8,'Vinod','Java','CSS_GH1',20)
Insert into CSS_GH2(PersonID,Name,Marketing_on,Address,Submissions)
values
(1,'Meghana','DE','CSS_GH2',400),
(2,'Anudeep','Java','CSS_GH2',320),
(3,'Chintu','Python','CSS_GH2',112),
(4,'Rohith','Net','CSS_GH2',110),
Results
Messages
PersonID Name Marketing_on Address Submissions
1 1 Kaushik DE CSS_GH1 100
2 2 Vamshi Java CSS_GH1 120
3 3 Praveen DA CSS_GH1 111
Query executed successfully.
KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (70) master 00:00:00 15 rows
Ln 19 Col 19 Ch 19 INS
-2°C Clear
Search
ENG US
10:52 PM 2/28/2024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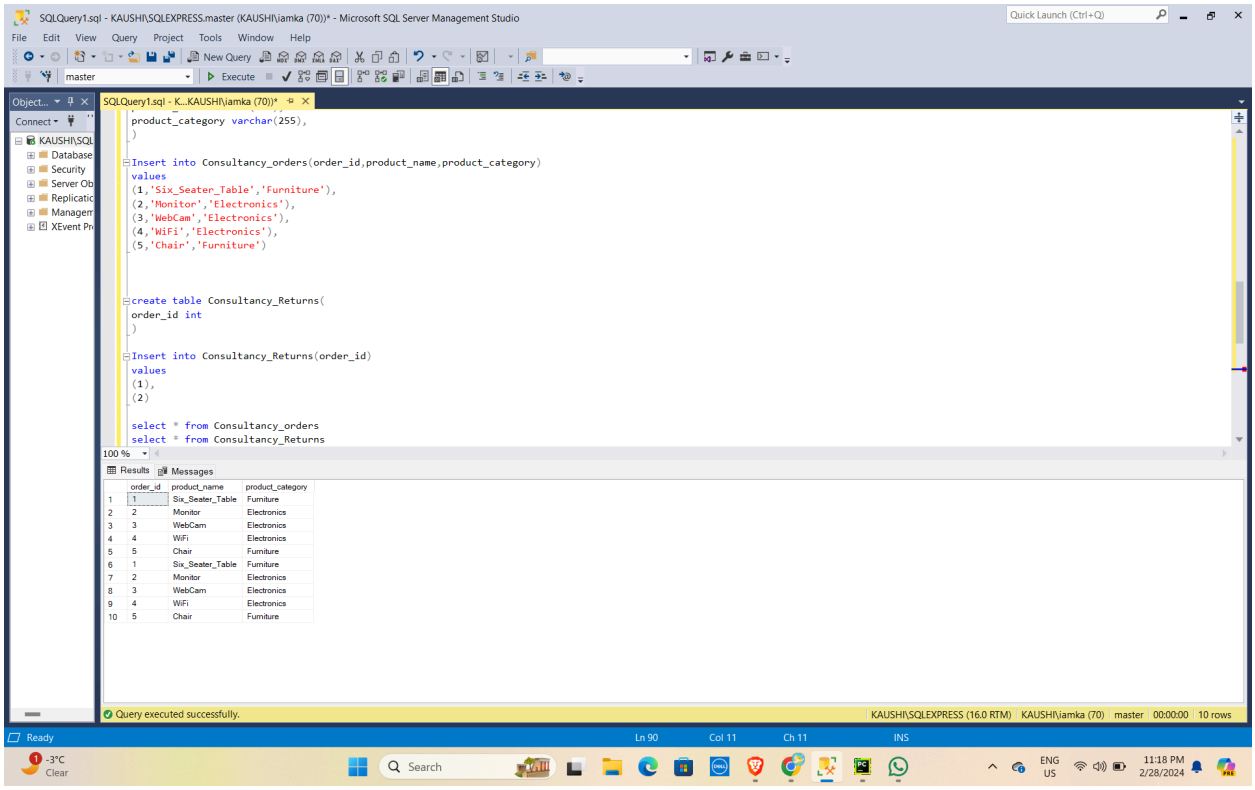
New Query
Execute
master
SQLQuery1.sql - K...KAUSHI\iamka (70))*
create table Consultancy_Returns(
order_id int
)
Insert into Consultancy_Returns(order_id)
values
(1),
(2)
select * from Consultancy_orders
select * from Consultancy_Returns
select C.* from Consultancy_orders C
inner join Consultancy_Returns Cr on C.order_id = Cr.order_id
select C.*,Cr.* from Consultancy_orders C
full outer join Consultancy_Returns Cr on C.order_id = Cr.order_id
select C.* from Consultancy_orders C
cross join Consultancy_Returns Cr on C.order_id = Cr.order_id
Results
Messages
order_id product_name product_category
1 1 Six_Seater_Table Furniture
2 2 Monitor Electronics
3 3 WebCam Electronics
4 4 WiFi Electronics
5 5 Chair Furniture
6 1 Six_Seater_Table Furniture
7 2 Monitor Electronics
8 3 WebCam Electronics
9 4 WiFi Electronics
10 5 Chair Furniture
Query executed successfully.
KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\iamka (70) master 00:00:00 10 rows
Ready
Ln 90 Col 11 Ch 11 INS
-3°C Clear
Search
ENG US
11:18 PM 2/28/2024


SQLQuery1.sql - KAUSHI\SQLEXPRESS.master (KAUSHI\iamka (70))* - Microsoft SQL Server Management Studio
File Edit View Query Project Tools Window Help
New Query
Execute
master
SQLQuery1.sql - K...KAUSHI\iamka (70))*
product_category varchar(255),
)
Insert into Consultancy_orders(order_id,product_name,product_category)
values
(1,'Six_Seater_Table','Furniture'),
(2,'Monitor','Electronics'),
(3,'WebCam','Electronics'),
(4,'WiFi','Electronics'),
(5,'Chair','Furniture')
create table Consultancy_Returns(
order_id int
)
Insert into Consultancy_Returns(order_id)
values
(1),
(2)
select * from Consultancy_orders
select * from Consultancy_Returns
Results
Messages
order_id product_name product_category
1 1 Six_Seater_Table Furniture
2 2 Monitor Electronics
3 3 WebCam Electronics
4 4 WiFi Electronics
5 5 Chair Furniture
6 1 Six_Seater_Table Furniture
7 2 Monitor Electronics
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Query executed successfully.
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