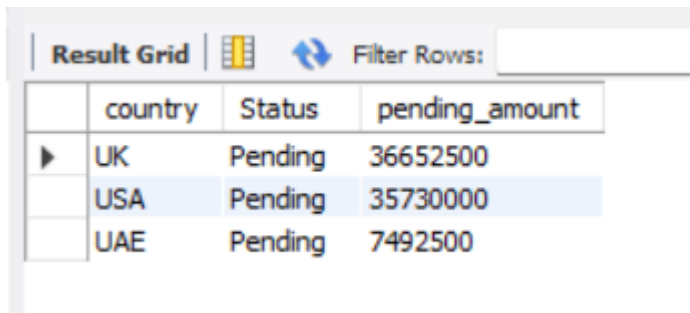


## Reports

The script for the reports are available here :

<https://github.com/BharathNandan036/PEI/blob/main/Report.sql>

1. Country wise total amount of the pending shipments. ( select distinct country , 'Status', sum(amount) as pending\_amount from customer\_Data cd join order\_data od on cd.customer\_id = od.customer\_id join shipping\_data sd on sd.Customer\_ID where `status` <> 'Delivered' group by 1,2; )

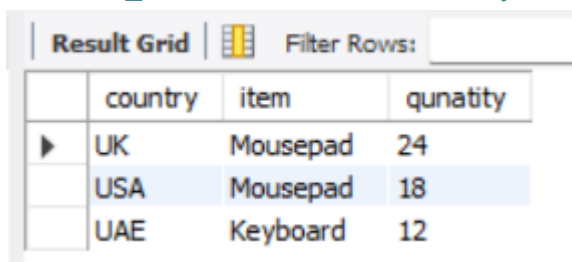


The screenshot shows a 'Result Grid' with a 'Filter Rows' input field. The table has four columns: 'country', 'Status', and 'pending\_amount'. There are three rows of data, all with 'Status' as 'Pending'.

	country	Status	pending_amount
▶	UK	Pending	36652500
	USA	Pending	35730000
	UAE	Pending	7492500

2. Customer wise number of orders placed , number of items purchased, total sales and items purchased. ( select distinct cd.customer\_id , count(order\_id) as number\_of\_orders , count(item) as no\_of\_items , sum(amount) as amount\_spent, group\_concat(item separator ',') as items from customer\_Data cd join order\_data od on cd.customer\_id = od.customer\_id group by 1 order by 4 desc; ) too big output for screenshot.

3. Country wise maximum products purchased and quantity. ( with rank\_sales as (select distinct country as country , item , count(item) as qunatity , rank() over(partition by country order by count(item) desc ) as ran from customer\_data cd join order\_data od on cd.Customer\_ID = od.Customer\_ID group by 1,2) select country ,item, qunatity from rank\_sales where ran = 1 order by 2 desc; )



The screenshot shows a 'Result Grid' with a 'Filter Rows' input field. The table has four columns: 'country', 'item', and 'qunatity'. There are three rows of data.

	country	item	qunatity
▶	UK	Mousepad	24
	USA	Mousepad	18
	UAE	Keyboard	12

4. Age category wise most items purchased and quantity. ( with age\_cat as (select case when age < 30 then 'age<30' else 'age>30' end as age\_cat , item , count(item) as qunatity , rank() over(partition by case when age < 30 then 'age<30' else 'age>30' end order by count(item) desc ) as ran from customer\_data cd join order\_data od on cd.Customer\_ID = od.Customer\_ID group by 1,2) select age\_cat ,item, qunatity from

age\_cat where ran = 1 order by 2 desc; )

	age_cat	item	qunatity
▶	age<30	Mousepad	17
	age>30	Keyboard	35

5. Country with minimum transactions and sales. ( select country , count(order\_id) as orders from customer\_data cd join order\_data od on cd.Customer\_ID = d.Customer\_ID group by 1 order by 2 asc limit 1 ;

select country , sum(amount) as sales from customer\_data cd join order\_data od on cd.Customer\_ID = od.Customer\_ID group by 1 order by 2 asc limit 1 ;

select country , count(order\_id) as orders , sum(amount) as sales from customer\_data cd join order\_data od on cd.Customer\_ID = od.Customer\_ID group by 1 order by 2 asc , 3 asc limit 1; )

	country	orders	sales
▶	UAE	40	49950