# E-commerce sql queries and outputs

* Using tables in E-Commerce database

***use ecommerce;***

***select \* from fact\_table;***

***select \* from item\_dim;***

***select \* from store\_dim;***

***select \* from trans\_dim;***

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* Displaying the division, district, upazila from store\_dim where division is SYLHET" and district MAULVIBAZAR

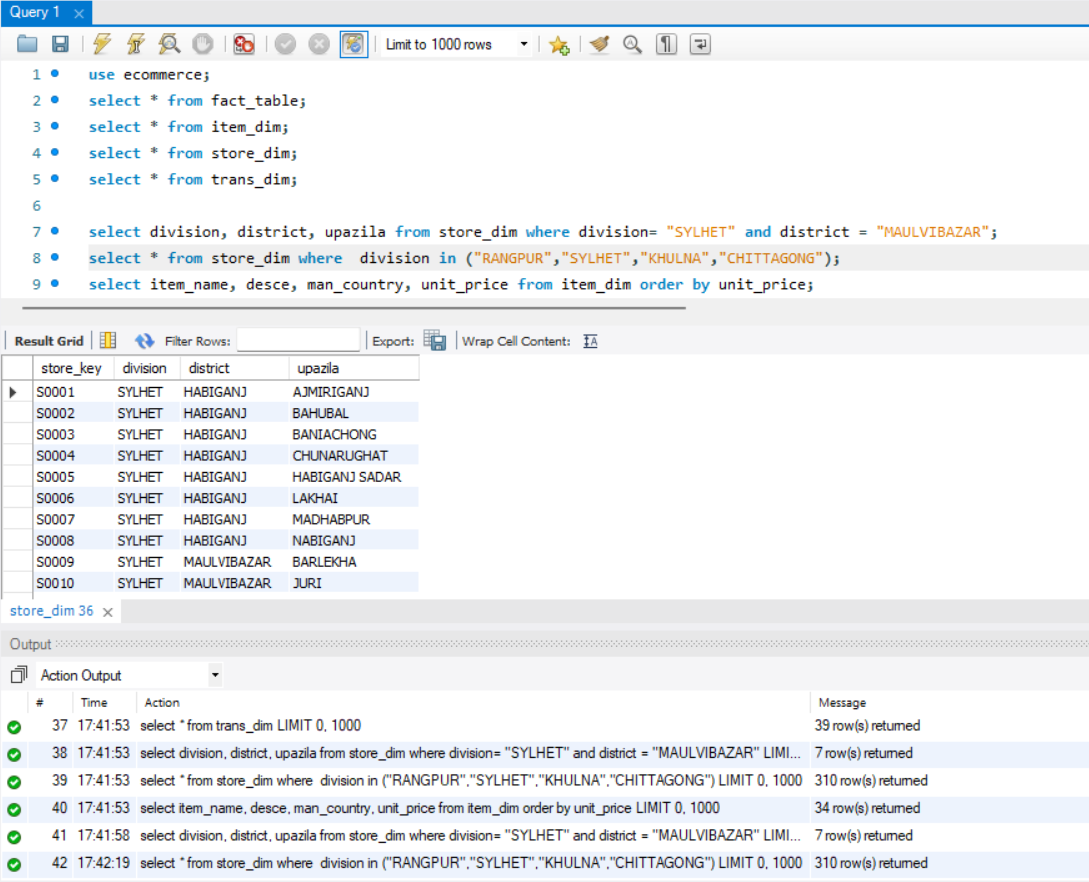
***select division, district, upazila from store\_dim where division= "SYLHET" and district = "MAULVIBAZAR";***

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* Displaying information of stores only in "RANGPUR","SYLHET","KHULNA","CHITTAGONG"

***select \* from store\_dim where division in ("RANGPUR","SYLHET","KHULNA","CHITTAGONG");***



* Diplaying the information in the order od unit\_price

***select item\_name, desce, man\_country, unit\_price from item dim order by unit\_price;***

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* Displaying the disticts where tge total\_price is above 500

***select store\_key ,district***

***from store\_dim***

***where store\_key***

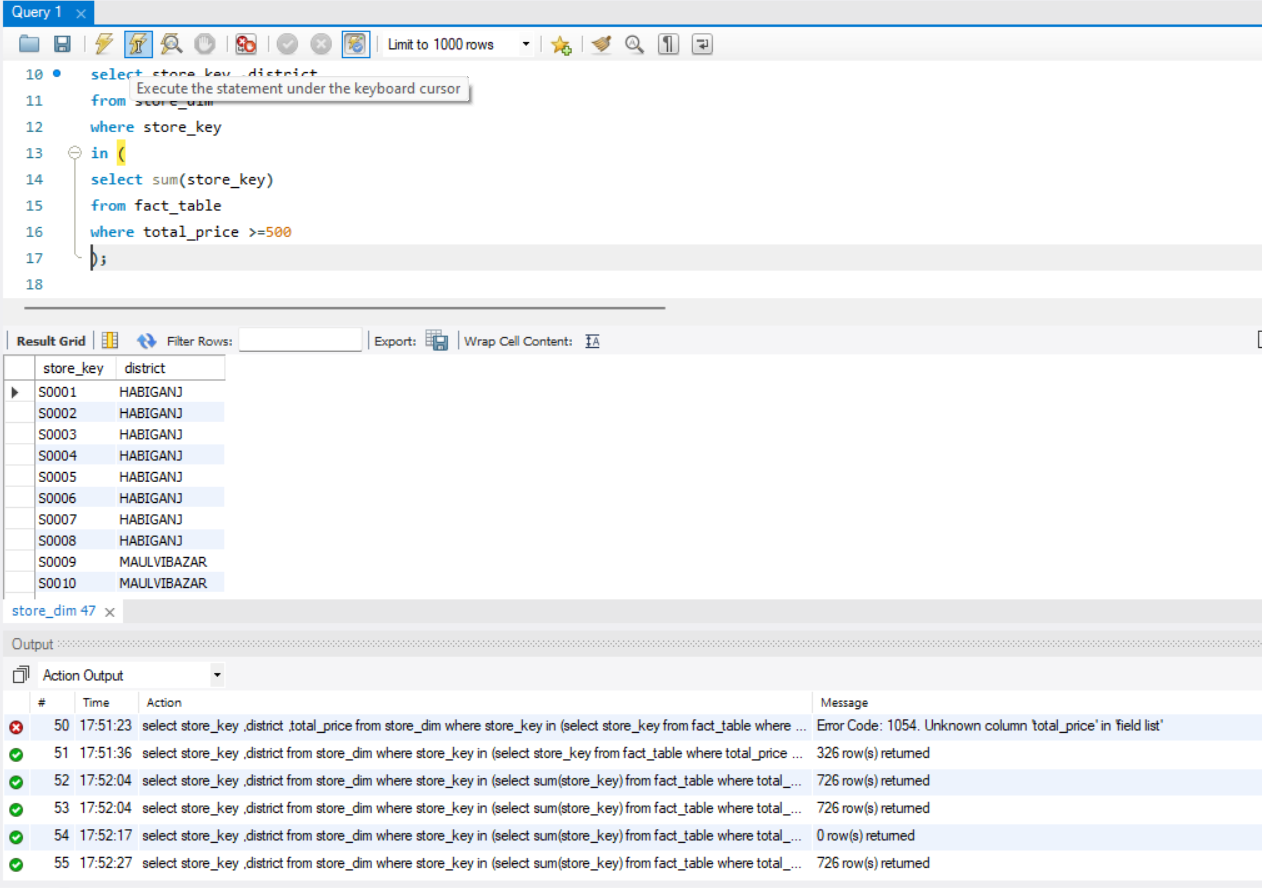
***in (***

***select sum(store\_key)***

***from fact\_table***

***where total\_price >=500***

***);***

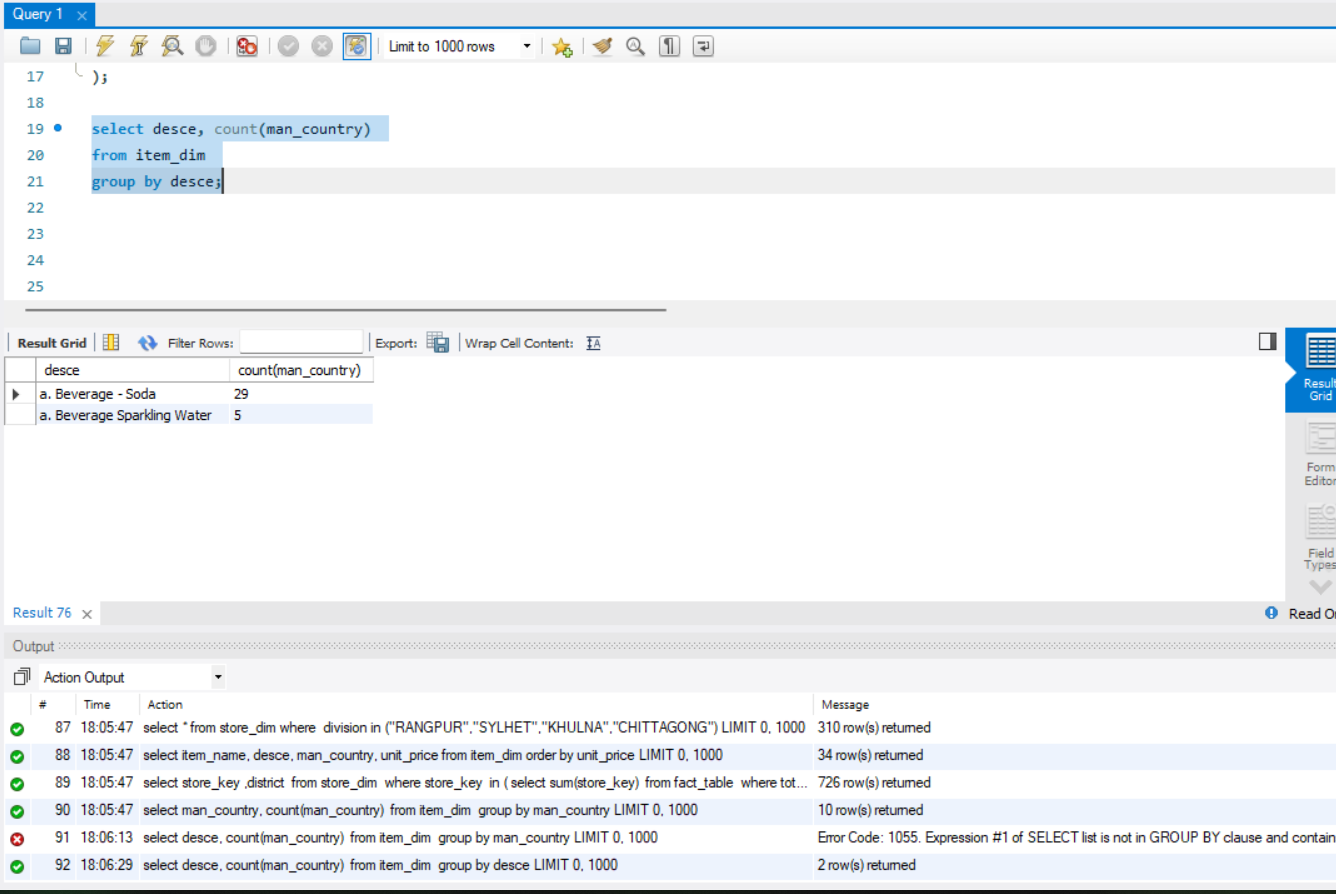


* Displaying the count of countries based the beverages sold

***select desce, count(man\_country)***

***from item\_dim***

***group by desce;***

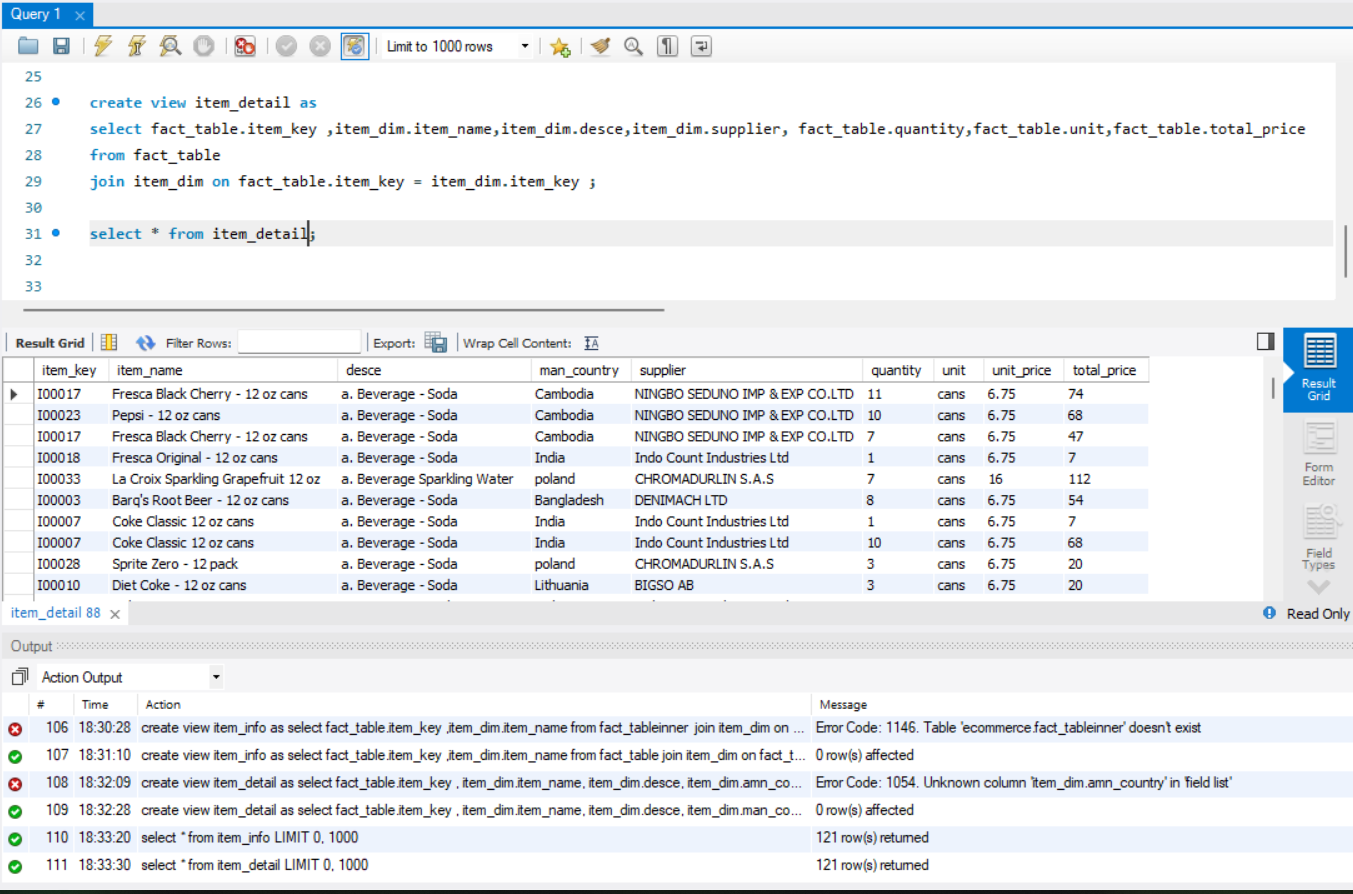


* Creating a view

***create view item\_detail as***

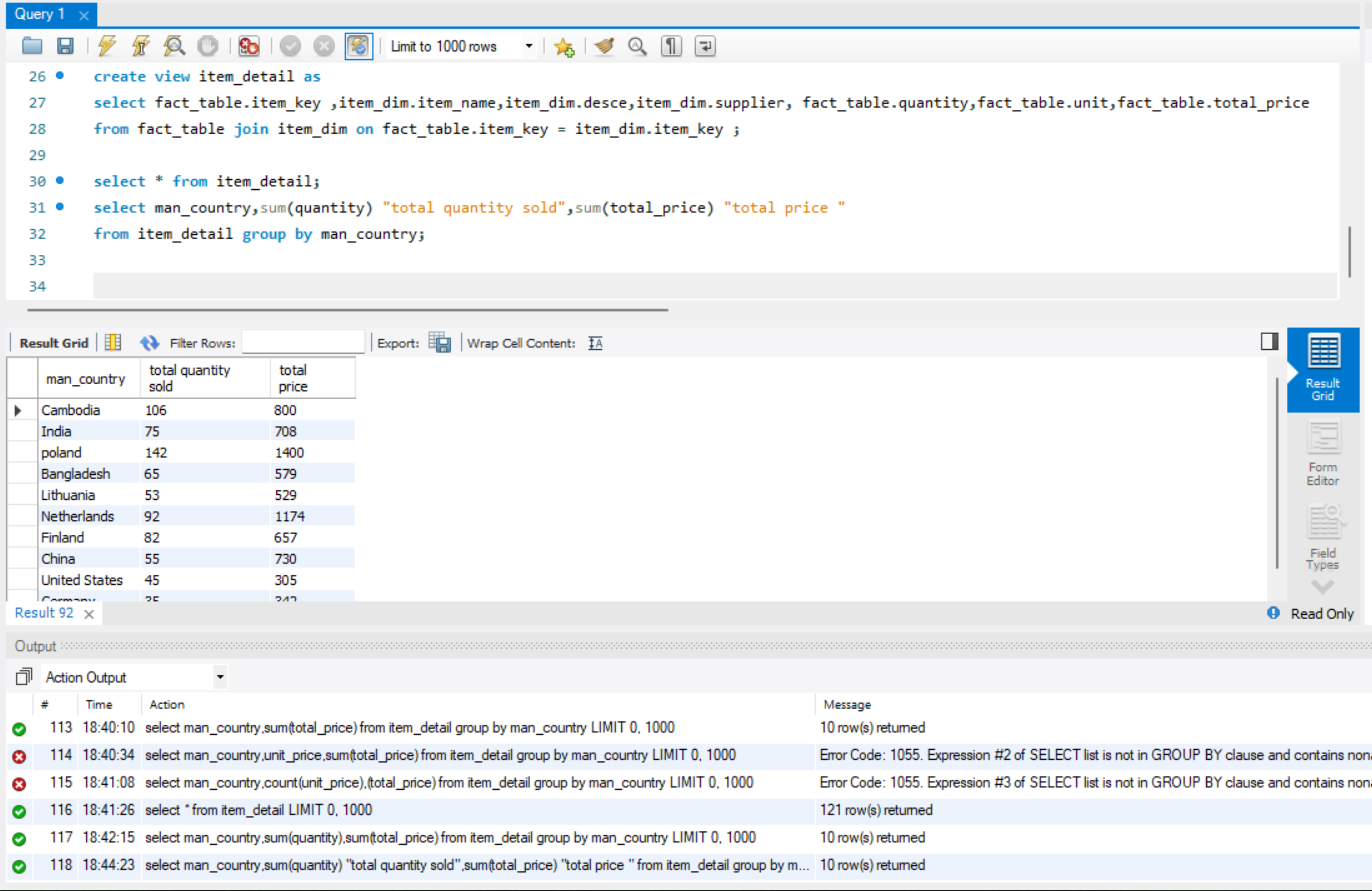
***select fact\_table.item\_key ,item\_dim.item\_name,item\_dim.desce,item\_dim.supplier, fact\_table.quantity,fact\_table.unit,fact\_table.total\_price***

***from fact\_table join item\_dim on fact\_table.item\_key = item\_dim.item\_key ;***



* Finding the total quantity sold and the total price

***select man\_country,sum(quantity) "total quantity sold",sum(total\_price) "toatl price recieved " from item\_detail group by man\_country;***



* Joining 3 tables for better understanding

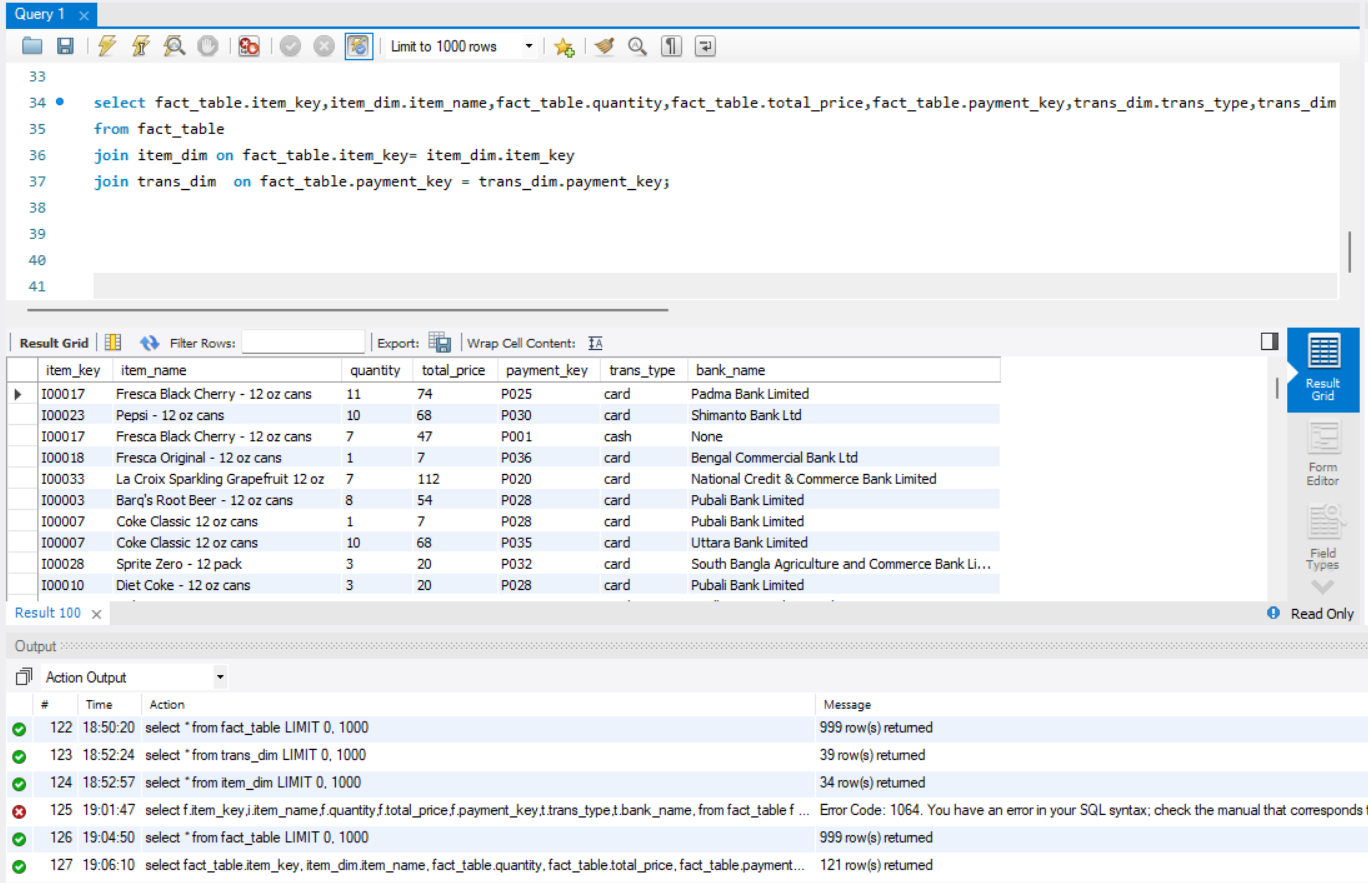
***select fact\_table.item\_key,item\_dim.item\_name,fact\_table.quantity,fact\_table.total\_price,fact\_table.payment\_key,trans\_dim.trans\_type,trans\_dim.bank\_name***

***from fact\_table***

***join item\_dim on fact\_table.item\_key= item\_dim.item\_key***

***join trans\_dim on fact\_table.payment\_key = trans\_dim.payment\_key***

***;***

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* Creating index

***create INDEX idx\_payment\_item on fact\_table(item\_name(10), quantity(10));***

***explain***

***select fact\_table.item\_key,item\_dim.item\_name,fact\_table.quantity,fact\_table.total\_price,fact\_table.payment\_key,trans\_dim.trans\_type,trans\_dim.bank\_name***

***from fact\_table***

***join item\_dim on fact\_table.item\_key= item\_dim.item\_key***

***join trans\_dim on fact\_table.payment\_key = trans\_dim.payment\_key***

***;***

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