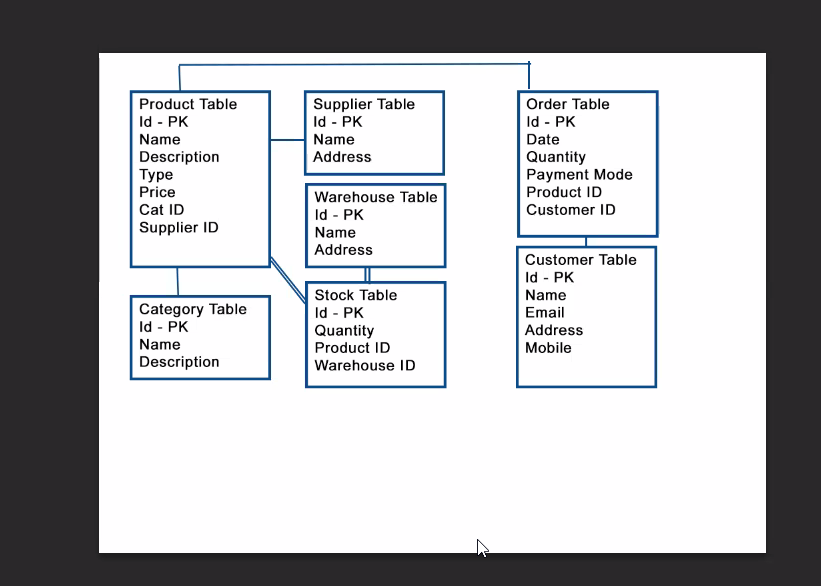
items\_table { ItemID int pk itemName varchar(50) category varchar(50) description varchar(100) quantity int unitPrice double}supplier\_table { supplier\_id int pk supplierName varchar(50) supplierPhone varchar(50)}orders\_table { orders\_id int pk orders\_date datetime customer\_id int fk}order\_details { orders\_details\_id int pk Quantity int TotalPrice double ItemID int fk orders\_id int fk}customer\_table{ CustomerID int pk FirstName varchar(50) LastName varchar(50) Email Email Phone Phone}



ProductProductID (Primary Key)Product NameDescriptionUnit PriceSupplierSupplierID (Primary Key)Supplier NameContact InformationCategoryCategoryID (Primary Key)Category NameStockStockID (Primary Key)ProductID (Foreign Key referencing Product)QuantityPurchasePurchaseID (Primary Key)SupplierID (Foreign Key referencing Supplier)Purchase DatePurchase\_ItemPurchaseItemID (Primary Key)PurchaseID (Foreign Key referencing Purchase)ProductID (Foreign Key referencing Product)QuantityUnit Price

Retrieve all product names and their descriptions

* Select COUNT(\*) as total\_product FROM inventory.product;

Retrieve the total number of products

Retrieve products with a unit price greater than 2000

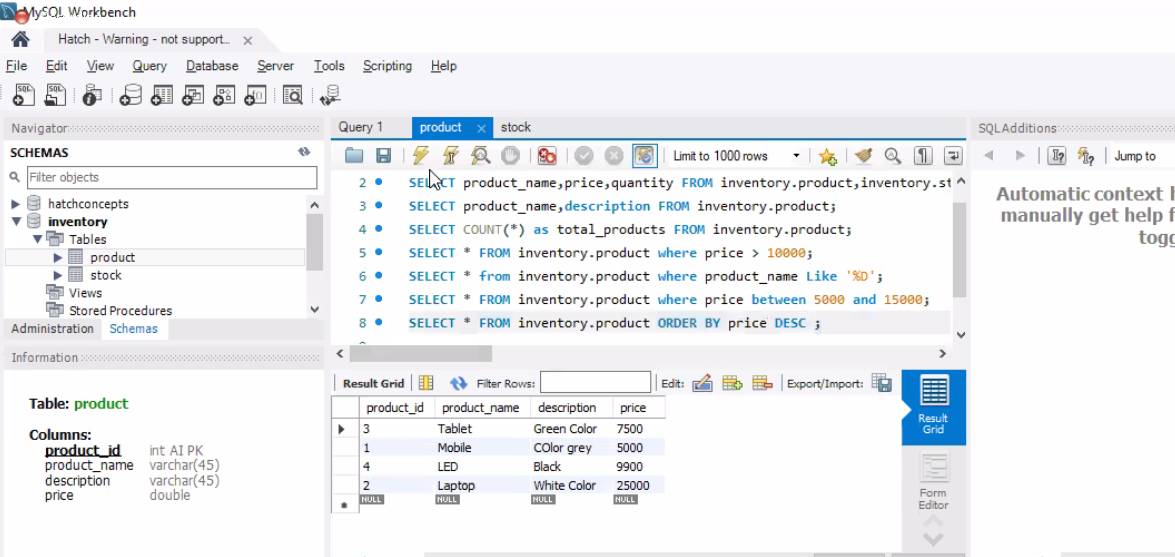
add one more column to product table as color

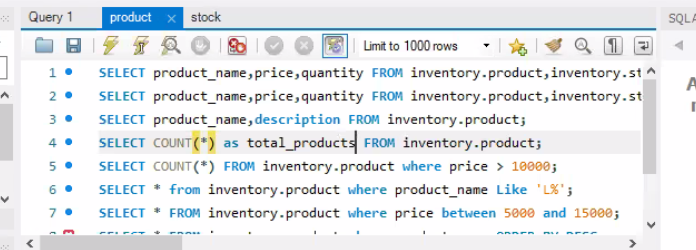
Retrieve products with names that start with the letter 'S'

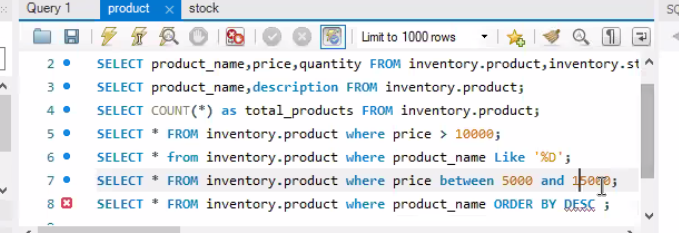
Retrieve product name with a unit price between 2000 and 3000

Retrieve products sorted by category and unit price in ascending order

Retrieve products sorted by unit price in ascending order



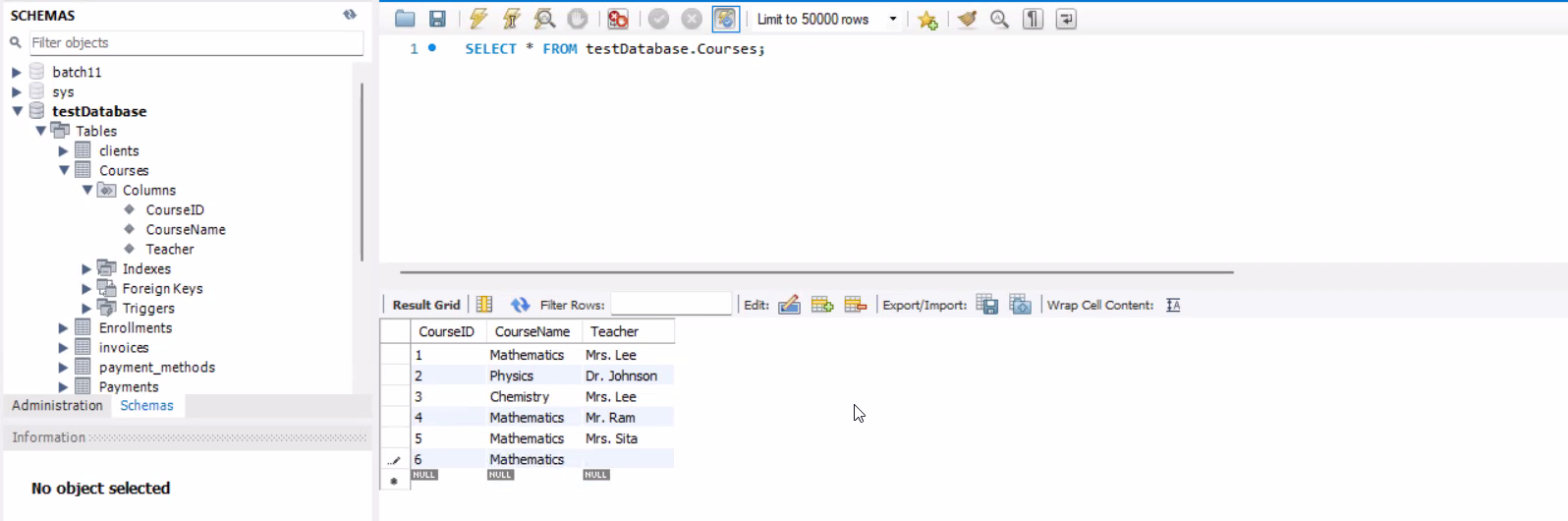




In SQL program

End Point: herovired.c733iovakuat.us-east-1.rds.amazonaws.comPort: 3306Username: admin(Cloud)

Password: Herovired123 (valute)



SELECT state, COUNT(\*) AS TotalClients, COUNT(DISTINCT city) AS UniqueCitiesCountFROM clientsGROUP BY state;

use testDatabase;select \* from clients;select name from clients order by name DESC;select name,state from clients order by name ASC,state ASC;/\* Display city where city =2\*/select city, count(\*) as CityTotal from clients group by city having CityTotal=2; SELECT state, COUNT(DISTINCT client\_id) AS total\_clients, COUNT(DISTINCT city) AS unique\_cities FROM clients GROUP BY state;/\*List Students Who Have Not Enrolled in Any Course\*/select s.\* from Students s left join Enrollments e on s.StudentID= e.StudentID where e.StudentID is null;/\*Find Students Who Have Enrolled in Course 2\*/select s.StudentID, s.FirstName from Students s inner join Enrollments e on s.StudentID= e.StudentID where e.CourseID =2;