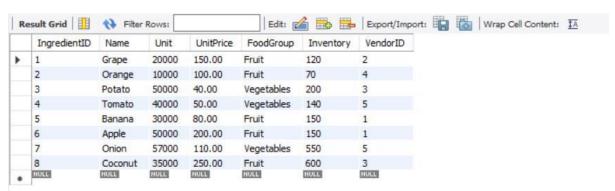
Name: Somisetty Sai Praneeth Date: 22-02-2022

Roll. No: 20BCS125

<u>Aim</u>: The Aim of this lab assignment is to implement and execute SQL Queries on MySQL Workbench for the given Restaurant Database in it.

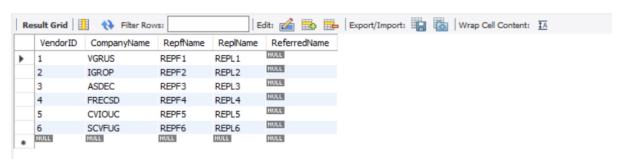
Experiment: In this experiment, we are going to write single SQL Query to retrieve desired Data from the given restaurant database. We have to create the tables and populate them with valid data from the given ERD.

Ingredients:



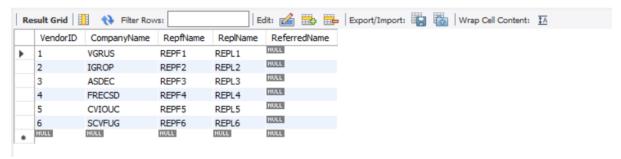
In this table we are using IngredientID attribute as Primary key, Name attribute to store name, Unit attribute to store Total Number of Units, UnitPrice to store the price of each Unit. Inventory to store total number of stock present in Inventory and VendorID to store ID of Vendor.

Menu:



In this Table we are using VendorID as Primary key, CompanyName to store Company's Name, RepfName, ReplName, ReferredName to store Respective Data.

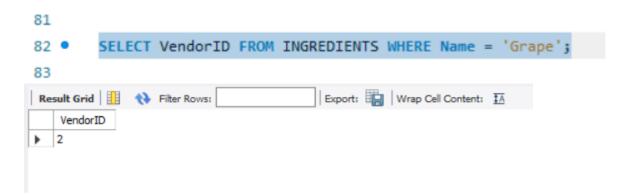
Vendors:



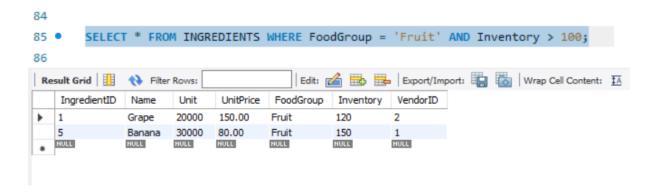
In this Table we are using VendorID as Primary key, CompanyName to store Company's Name, RepfName, ReplName, ReferredName to store Respective Data.

Results:

Q1. Find the id of Vendor who supplies Grape



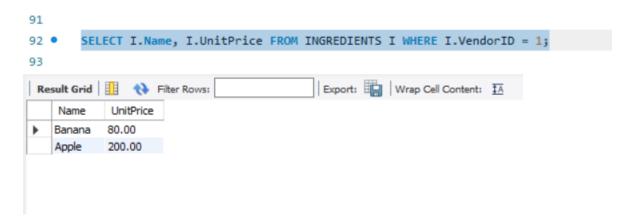
Q2. Find all of the ingredients from the fruit food group with an inventory greater than 100



Q3. Display all the food groups from ingredients, in which 'grape' is not a member.



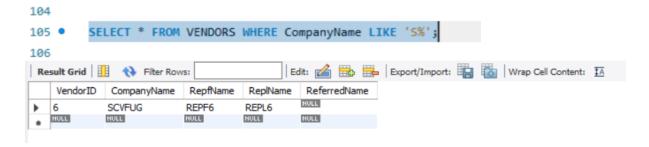
Q4. Find the ingredients, unit price supplied by 'VGRUS' (vendor ID) order by unit price(asc)



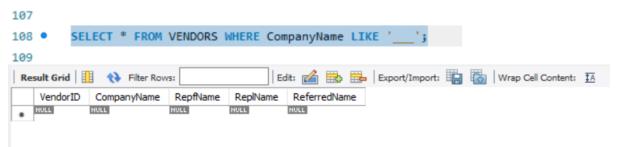
Q5. Find the date on which the last item was added.



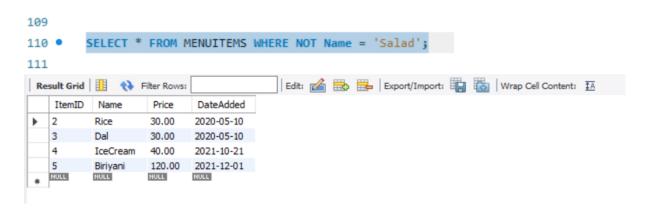
Q7. Find the list of vendor representative first names that begin with 's'



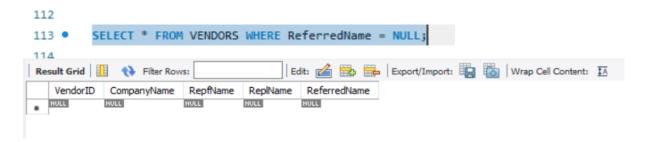
Q8. Find all vendor names containing an '_'.



Q9. Find the name of all of the food items other than salads.



Q11. Find the details of all vendors not referred by anyone.



Q12. Find the average and total price for all items.



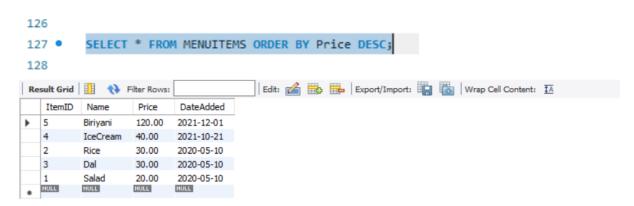
Q13. Find the total number of ingredient units in inventory.



Q17. Find the minimum and maximum unit price of all ingredients in each non-NULL food group. The results are only reported for food groups with either two or more items or a total inventory of more than 500 items.



Q18. Find all items from most to least expensive.



<u>Conclusion</u>: In this Lab Assignment we have seen how to retrieve desired Data with conditions from SQL Database Tables.