SQL for Single-table Query

BY,

BHARATH VENKATESH SRINIVASAN (BXS210006)

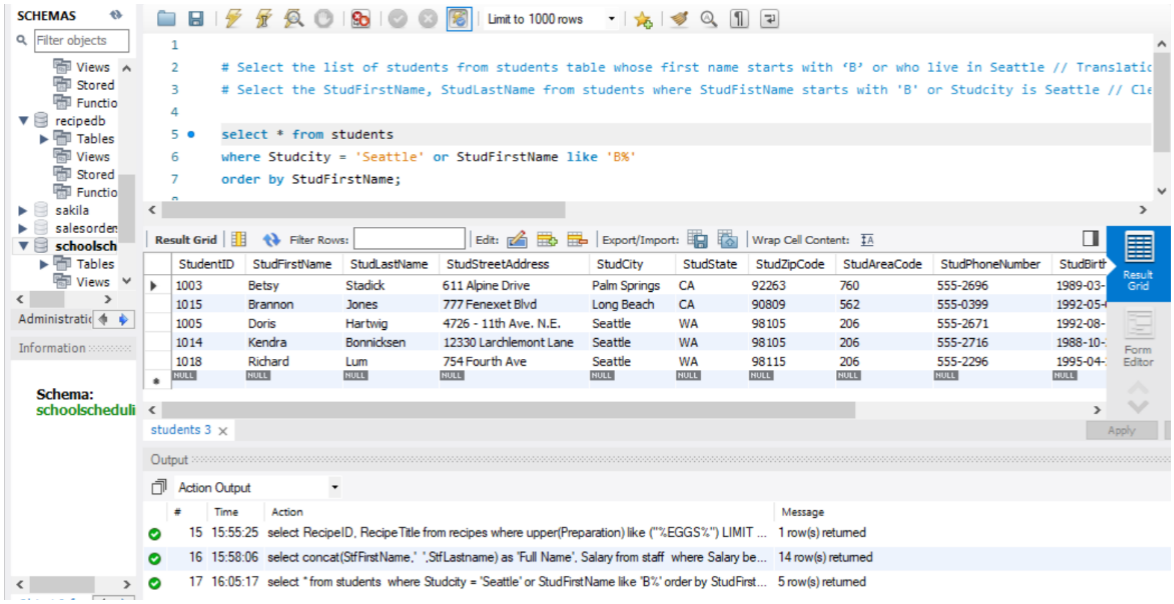
1. **Provide a list of students whose first name starts with ‘B’ or who live in Seattle**

   Input

   # Select the list of students from students table whose first name starts with ‘B’ or who live in Seattle // **Translation**
   # Select the StudFirstName, StudLastName from students where StudFistName starts with 'B' or Studcity is Seattle // **Clean up**

   SQL Query: select * from students where Studcity = 'Seattle' or StudFirstName like 'B%' order by StudFirstName;

   Output



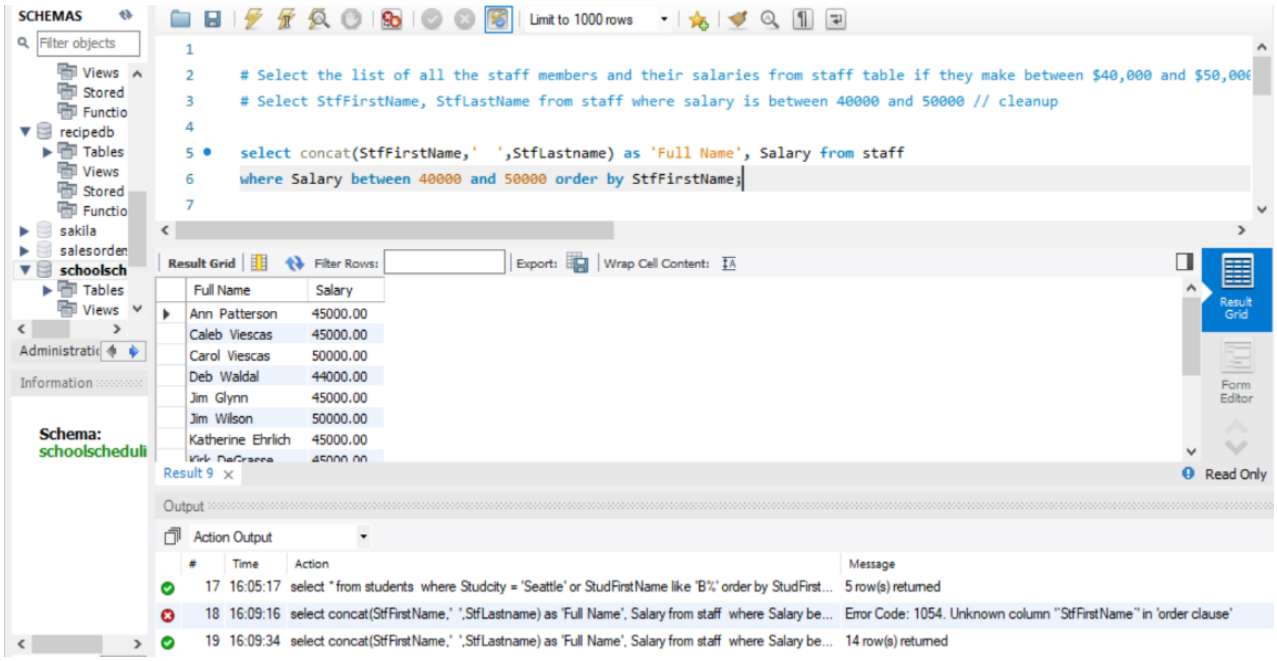
2. **Show me an alphabetical list of all the staff members and their salaries if they make between $40,000 and $50,000 a year**

   Input

   # Select the list of all the staff members and their salaries from staff table if they make between $40,000 and $50,000 // **Translation**
   # Select StfFirstName, StfLastName from staff where salary is between 40000 and 50000 // **cleanup**

   SQL Query: select concat(StfFirstName,' ',StfLastname) as 'Full Name', Salary from staff where Salary between 40000 and 50000 order by 'StfFirstName';

   Output



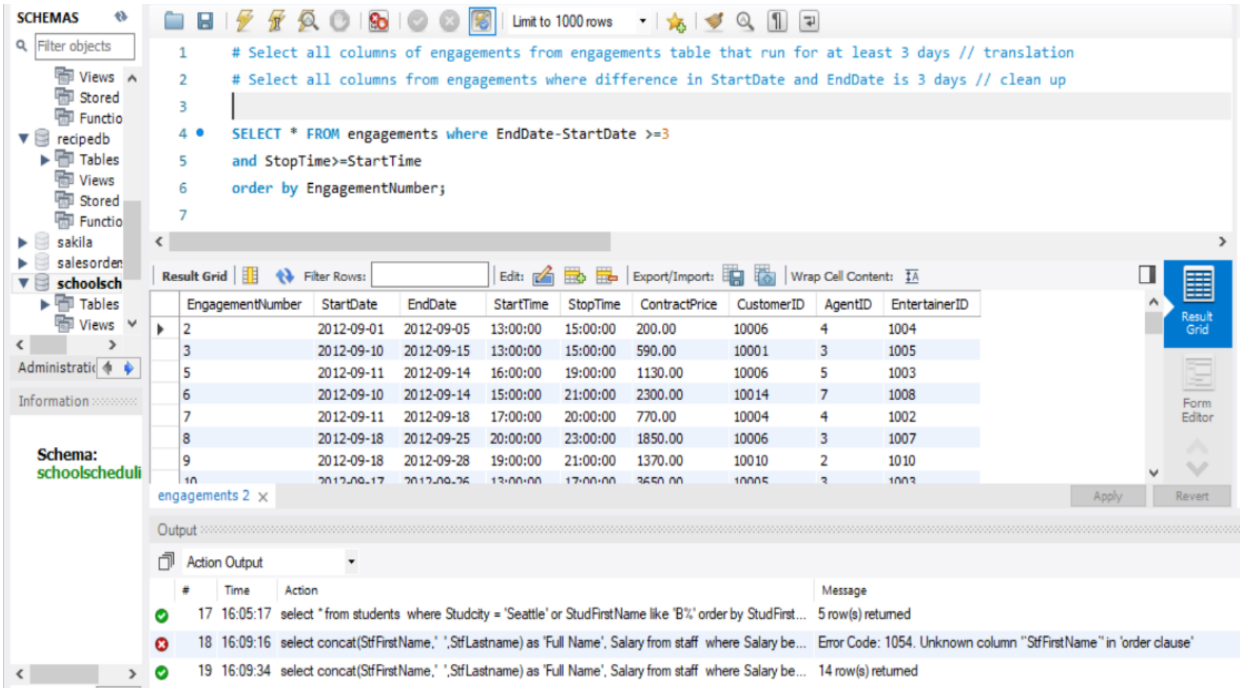
3. **Show me the engagements that run for at least 3 days**

Input

Select all columns of engagements from engagements table that run for at least 3 days // **translation**
Select all columns from engagements where difference in StartDate and EndDate is 3 days // **clean up**

SQL Query: SELECT * FROM engagements where EndDate-StartDate >=3
and StopTime>=StartTime
order by EngagementNumber;

Output



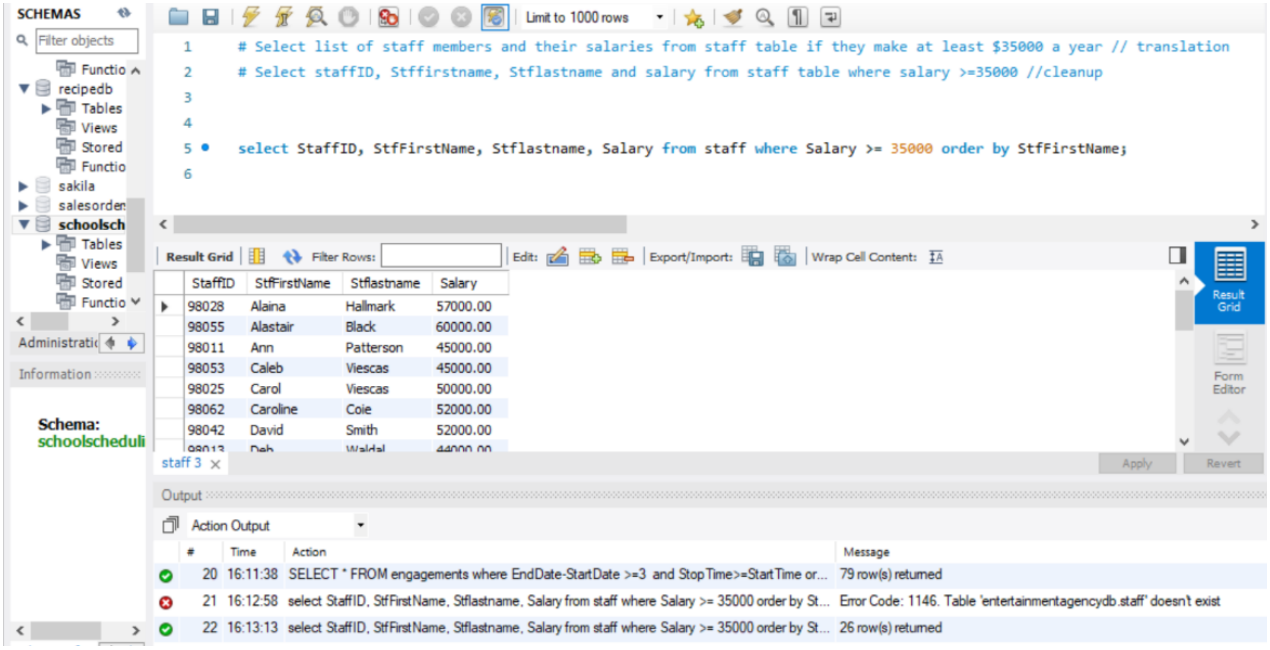
4. **Provide a list of staff members and their salaries if they make at least $35000 a year**

Input

Select list of staff members and their salaries from staff table if they make at least $35000 a year // **translation**
Select staffID, Stffirstname, Stflastname and salary from staff table where salary >=35000 //**cleanup**

SQL Query: select StaffID, StfFirstName, Stflastname, Salary from staff where Salary >= 35000 order by StfFirstName;

Output



5. **Provide a list of recipes that contain eggs in their preparation**

Input

Select list of recipes from recipes table that contain eggs in their preparation **//translation**
Select recipeID, recipetitle from recipes where preparation includes egg **// cleanup**

SQL Query: select RecipeID, RecipeTitle from recipes where upper(Preparation) like ("%EGGS%");

Output