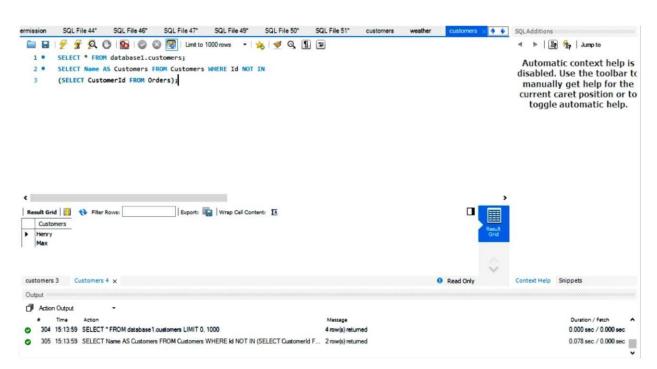
POST-LAB

1. Suppose that a website contains two tables, the Customers table and the Orders table. Write a SQL query to find all customers who never order anything.

Table: Customers Table: Orders

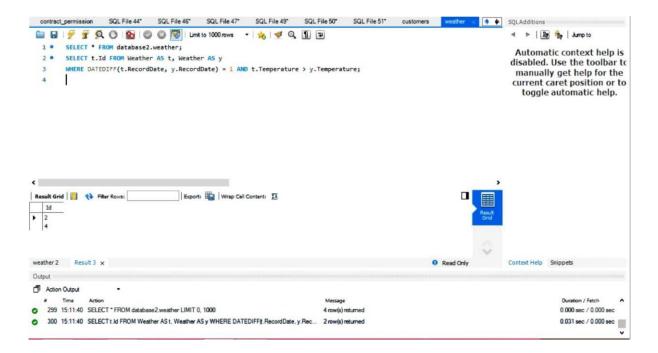
Id	Name
1	Joe
2	Henry
3	Sam
4	Max

Id	CustomerId
1	3
2	1



2. Given a Weather table, write a SQL query to find all dates' Ids with higher temperature compared to its previous (yesterday's) dates.

Id(INT)	RecordDate(DATE)	Temperature(INT)
1	01-01-2015	10
2	02-01-2015	25
3	03-01-2015	20
4	04-01-2015	30

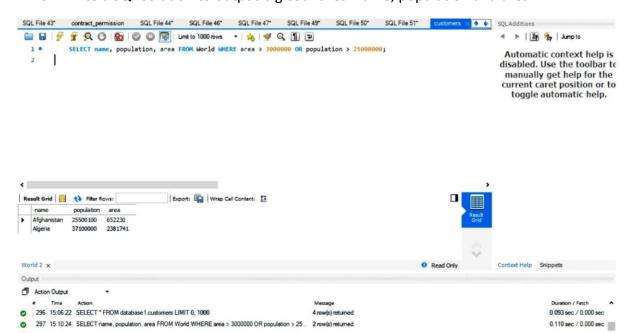


3. There is a table World

name	continent	area	population	gdp
Afghanistan	Asia	652230	25500100	20343000
Albania	Europe	28748	2831741	12960000
Algeria	Africa	2381741	37100000	188681000
Andorra	Europe	468	78115	3712000
Angola	Africa	1246700	20609294	100990000

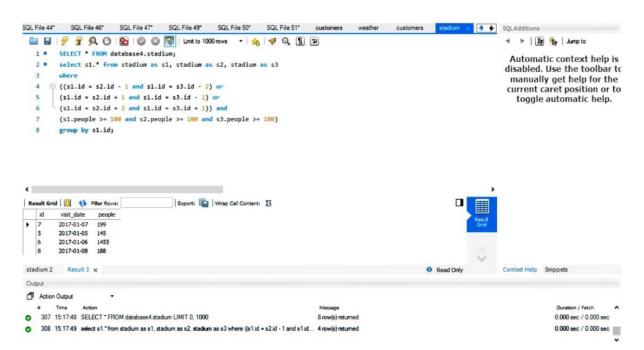
Α

country is big if it has an area of bigger than 3 million square km or a population of more than 25 million. Write a SQL solution to output big countries' name, population and area.



4.A city built a new stadium, each day many people visit it and the stats are saved as these columns: id, visit_date, people. Write a query to display the records which have 3 or more consecutive rows and the amount of people more than 100.Each day only have one row record, and the dates are increasing with id increasing. table**stadium**:

id	visit_date	people
1	01-01-2017	10
2	02-01-2017	109
3	03-01-2017	150
4	04-01-2017	99
5	05-01-2017	145
6	06-01-2017	1455
7	07-01-2017	199
8	08-01-2017	188



5.The **Employee** table holds all employees. Every employee has an Id, a salary, and there is also a column for the department Id. Write a SQL query to find employees who have the highest salary in each of the departments

Id	Name	Salary	DepartmentId
1	Joe	70000	1
2	Jim	90000	1
3	Henry	80000	2
4	Sam	60000	2
5	Max	90000	1

Department

Id	Name
1	IT
2	Sales

