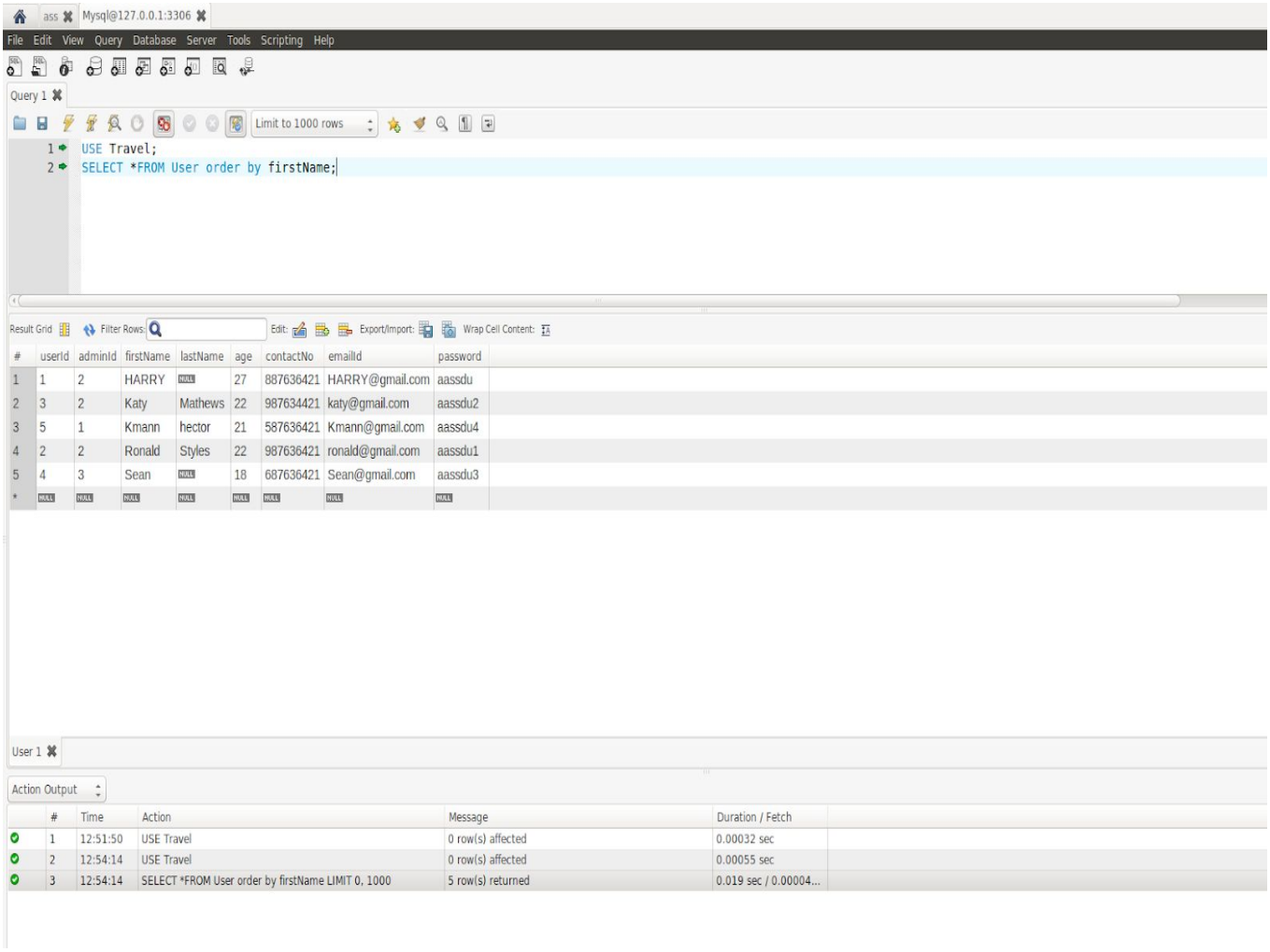
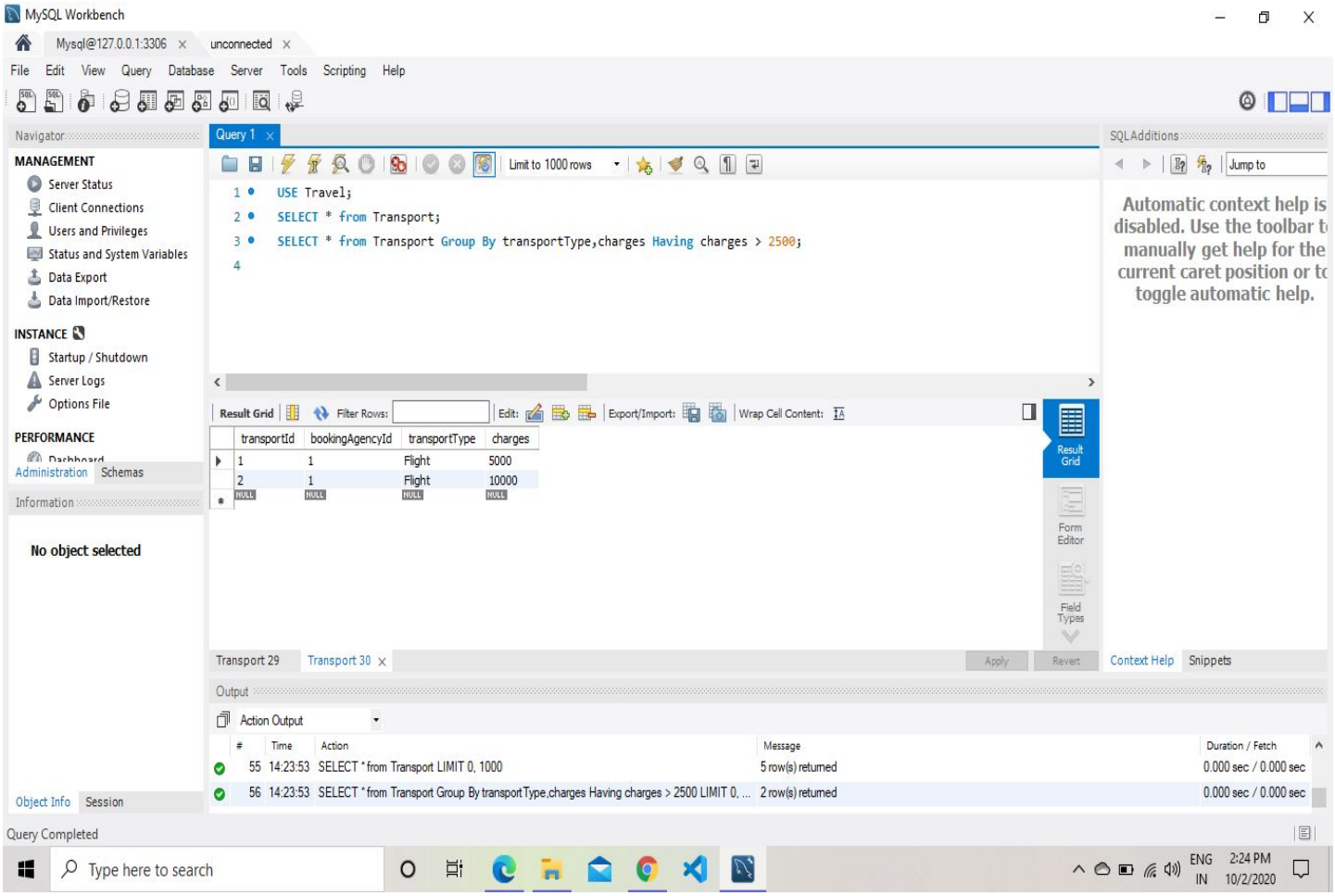
ASSIGNMENT - 04

1. **ORDER BY clause**
   QUERY : SELECT * from User ORDER BY firstName ;
   OUTPUT : Details of users with firstName;



2. GROUP BY & HAVING

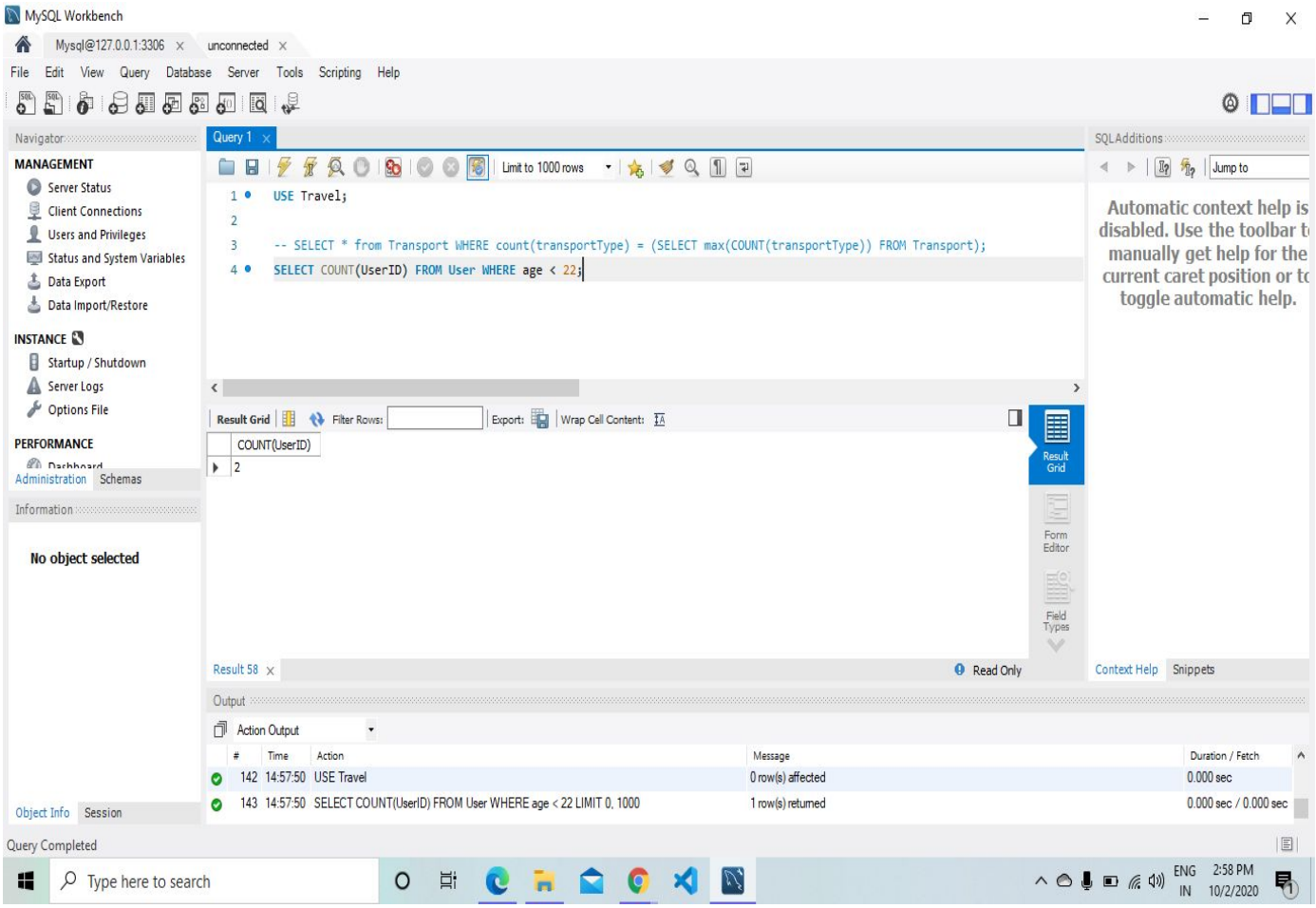
QUERY : SELECT * FROM Transport GROUP BY TransportType, charges HAVING charges > 2500 ;



3. AGGREGATE FUNCTIONS

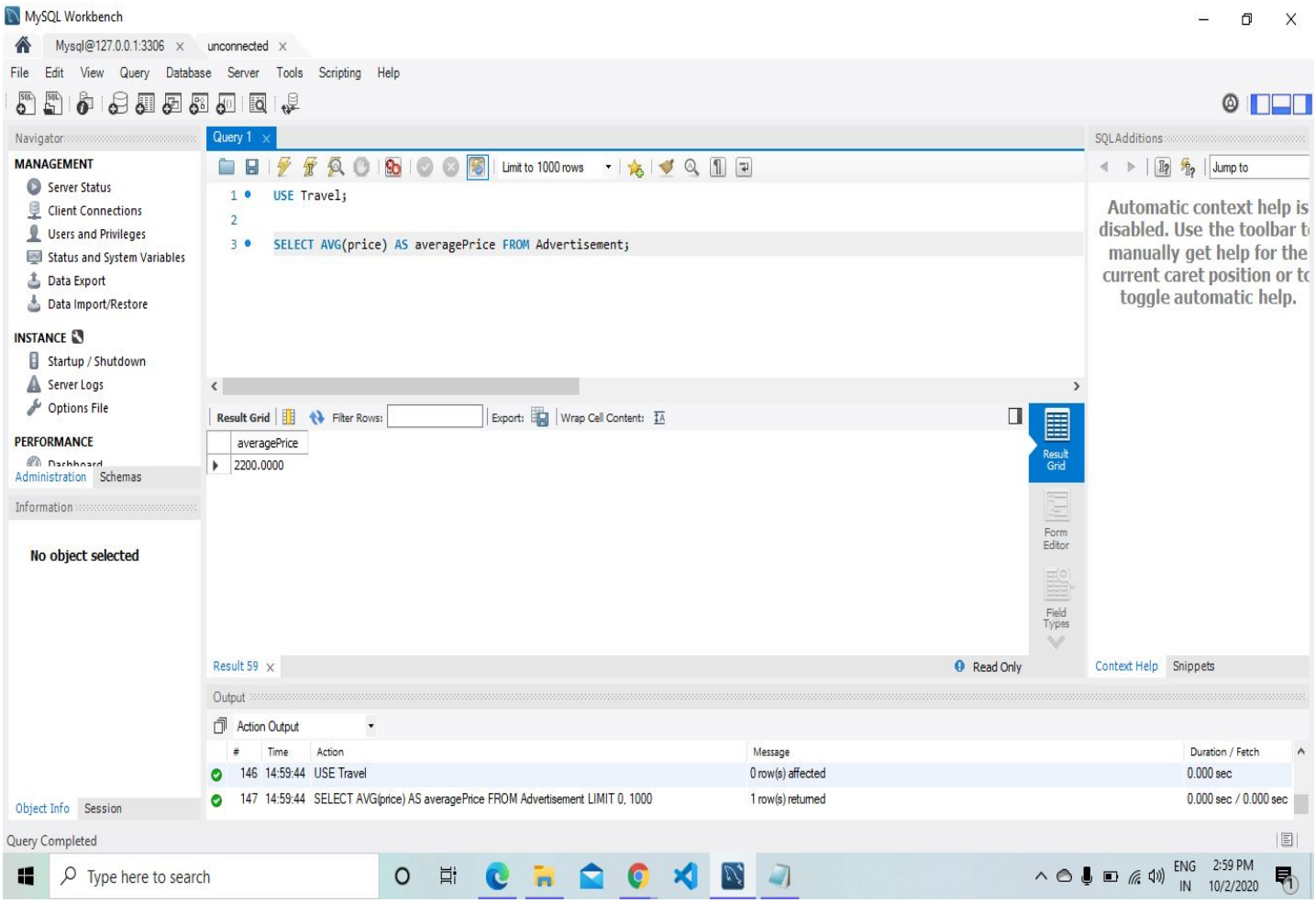
a. COUNT

QUERY : SELECT COUNT(UserID) FROM User WHERE age < 22;



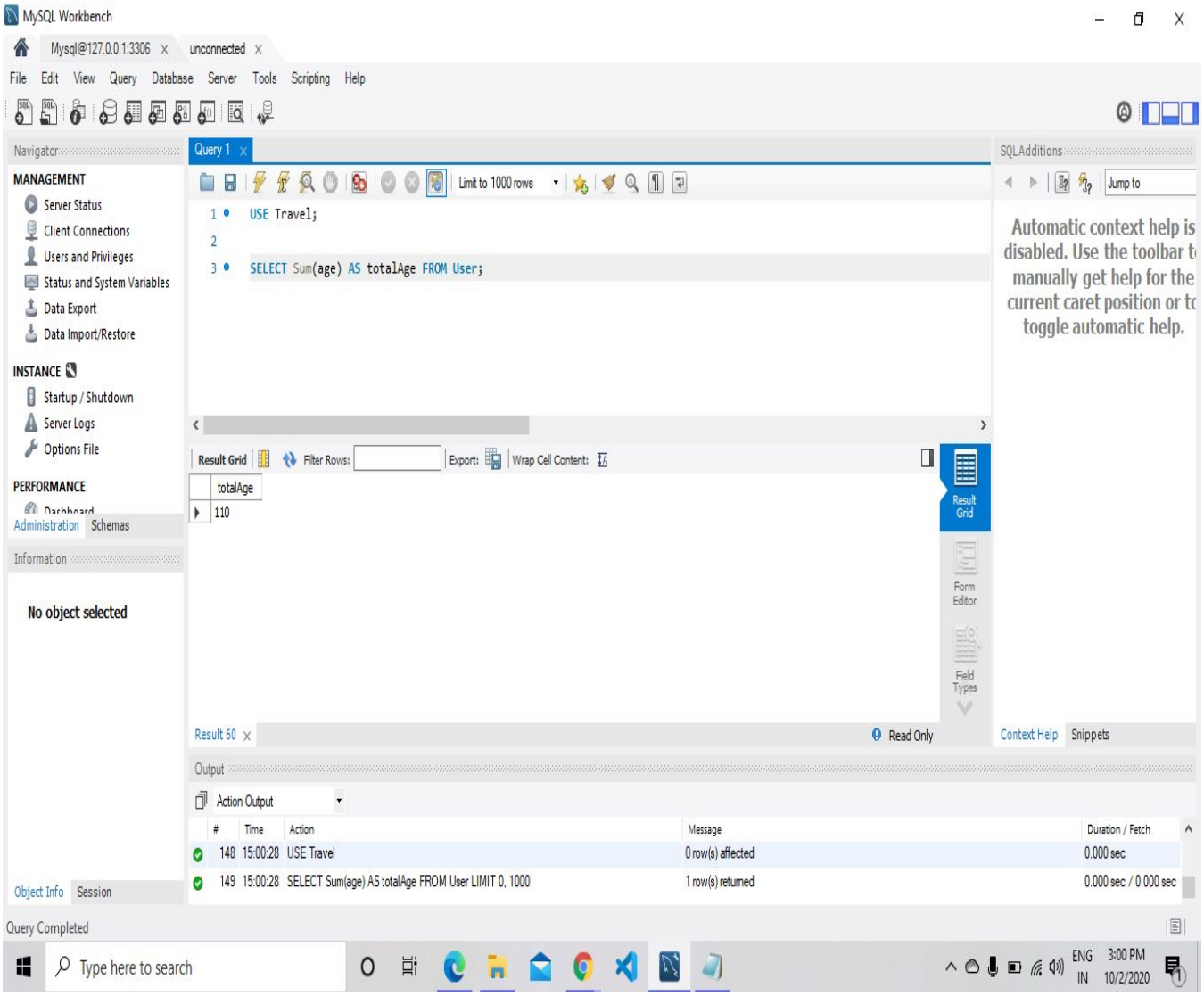
b. AVERAGE

QUERY : SELECT AVG(price) AS averagePrice FROM Advertisements;



c. SUM

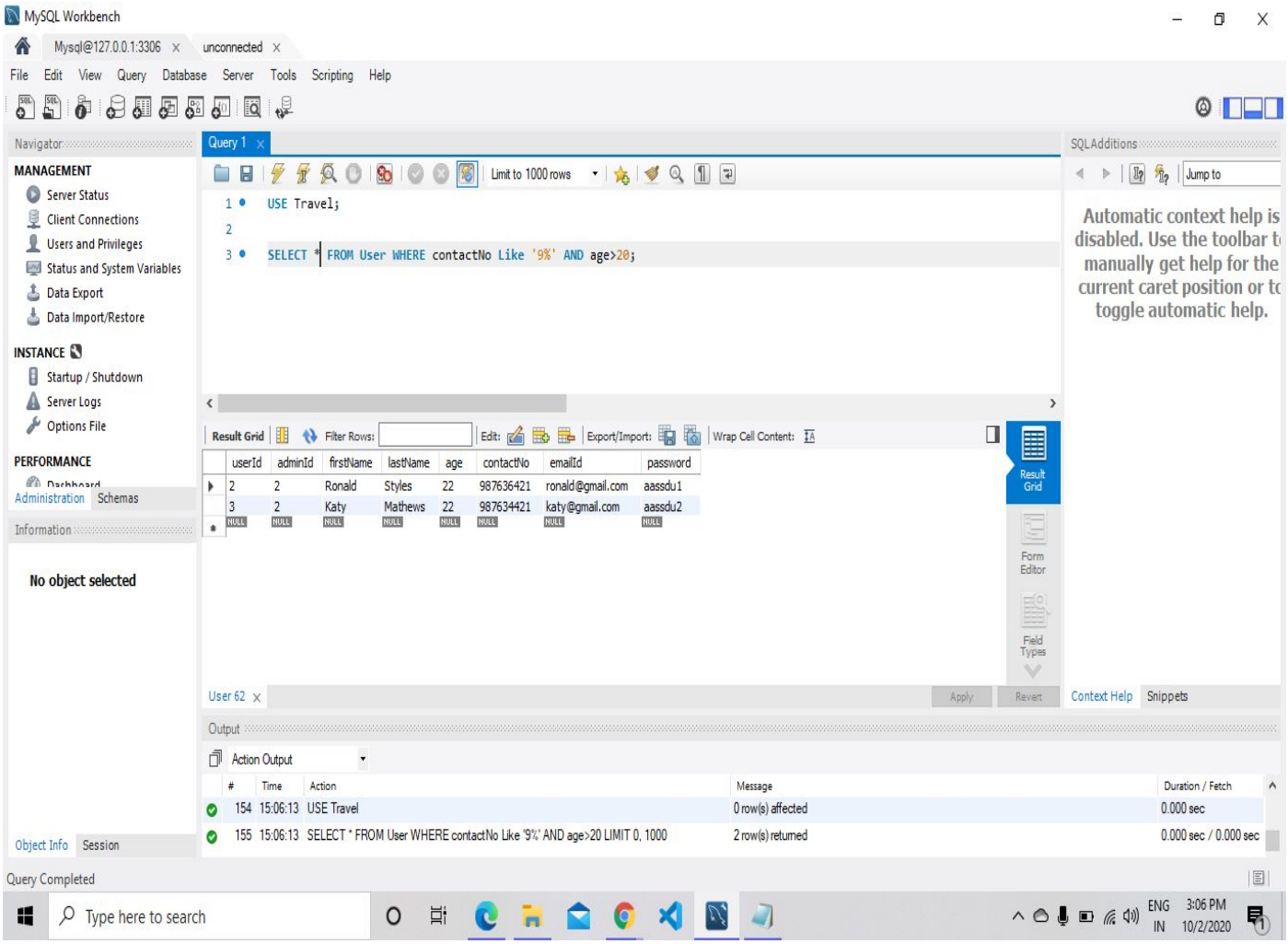
QUERY : SELECT Sum(age) AS totalAge FROM User;



4. LOGICAL OPERATORS ESPECIALLY WITH LIKE

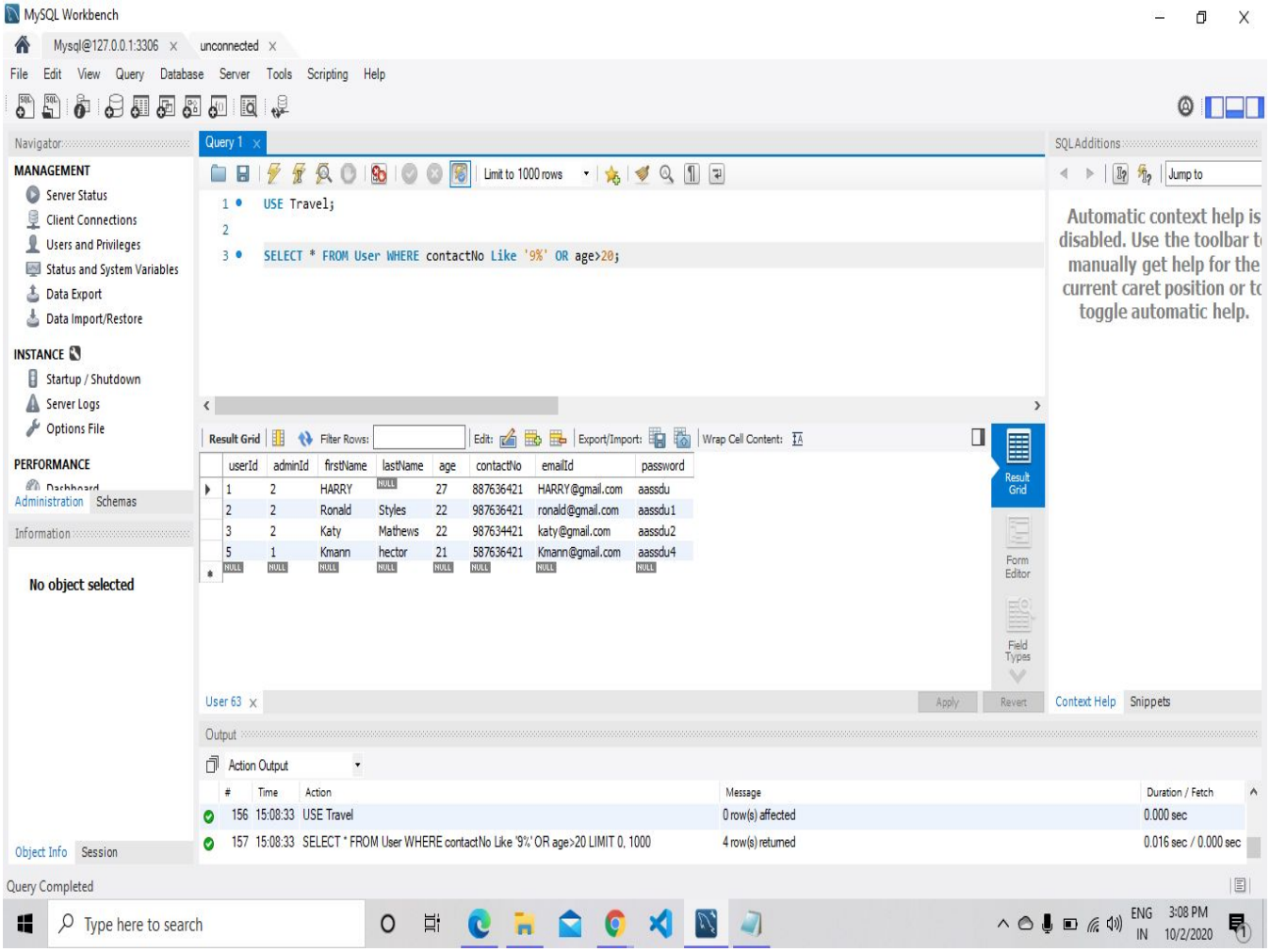
a. AND operator with LIKE

QUERY : SELECT * FROM User WHERE contactNo Like ‘9%’ AND age>20;



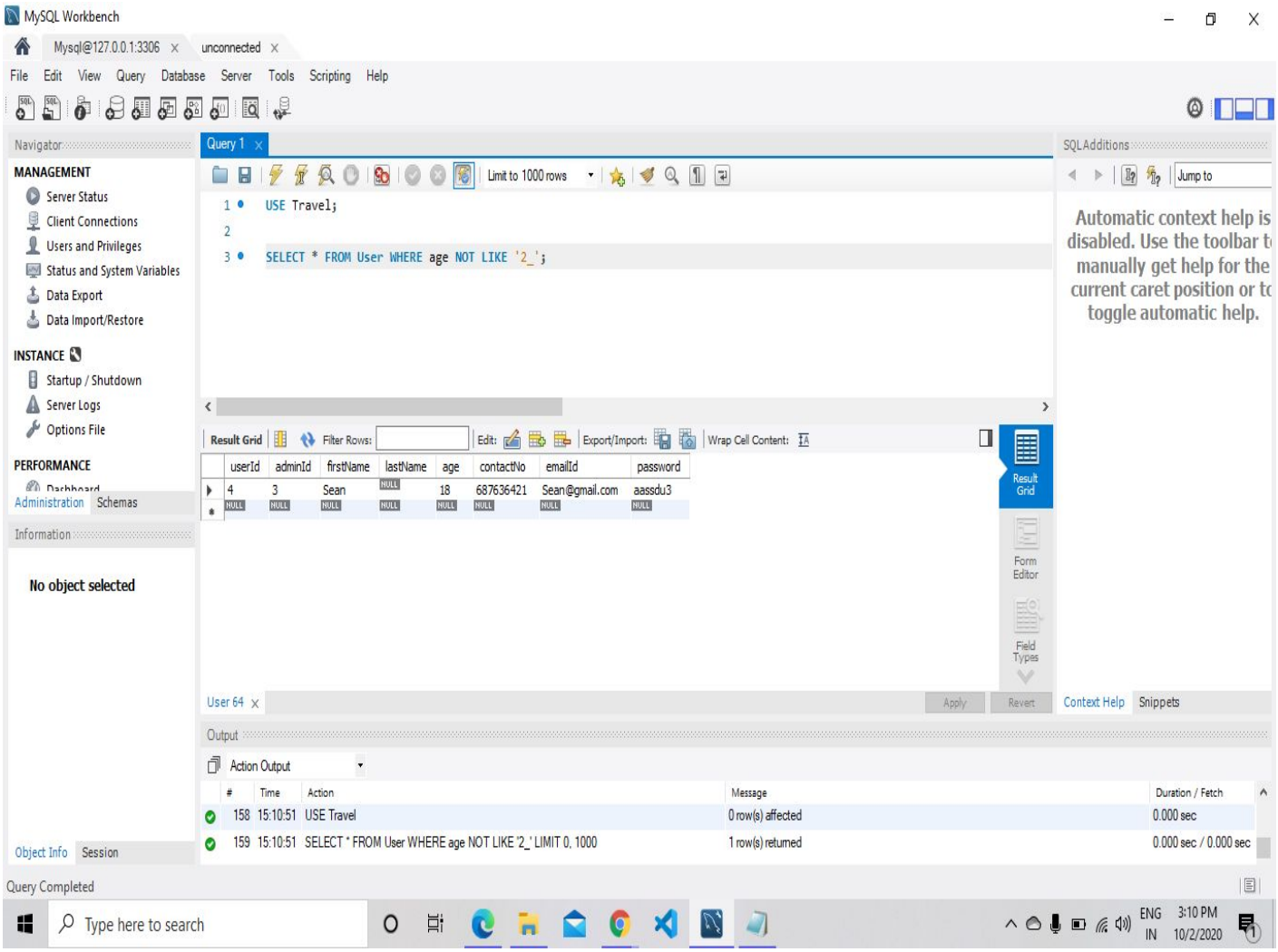
b.OR operator with LIKE

QUERY: SELECT * FROM User WHERE contactNo Like ‘9%’ OR age>20;



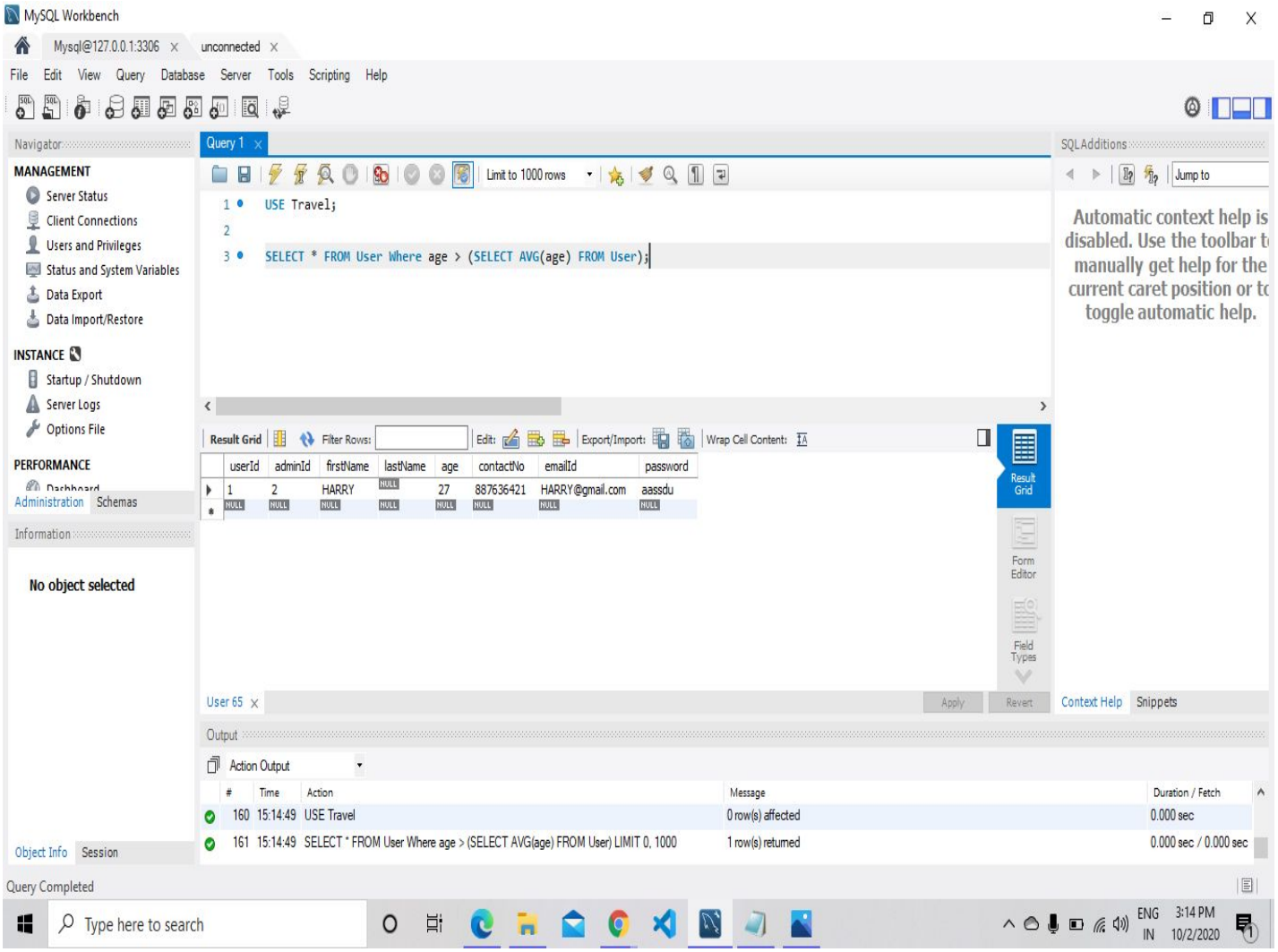
c.**NOT operator with LIKE**

QUERY: SELECT * FROM User WHERE age NOT LIKE ‘2_’;

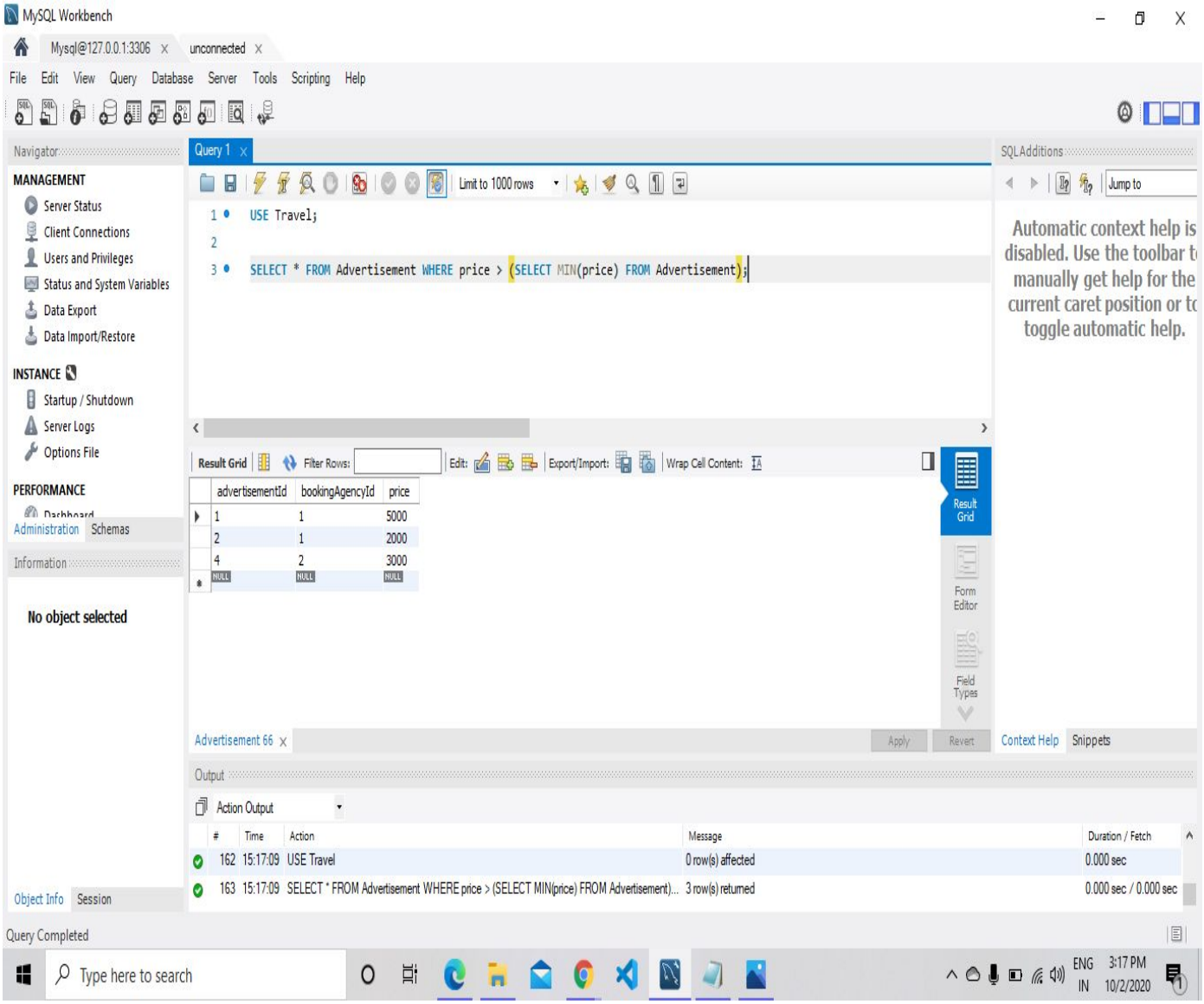


5. **Nested Queries**

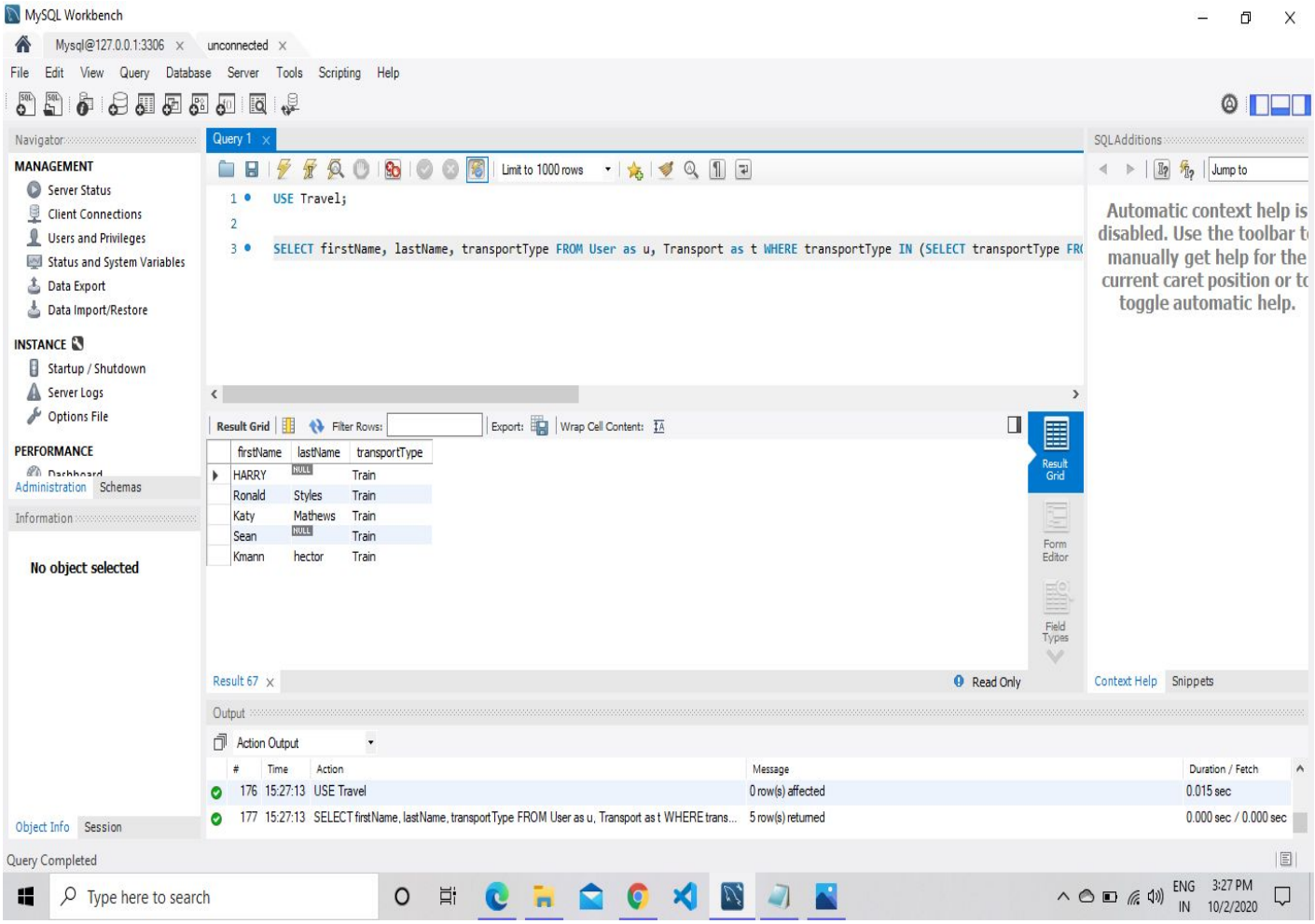
a. QUERY: SELECT * FROM User Where age > (SELECT AVG(age) FROM User);



b. QUERY: SELECT * FROM Advertisement WHERE price > (SELECT MIN(price) FROM Advertisement);



c. QUERY: SELECT firstName, lastName, transportType FROM User as u, Transport as t WHERE transportType IN (SELECT transportType FROM Transport where transportType =(SELECT MAX(transportType) FROM Transport));



d. QUERY: SELECT * FROM Advertisement WHERE price IN (SELECT price FROM Advertisement where price <(SELECT MAX(price) FROM Advertisement));