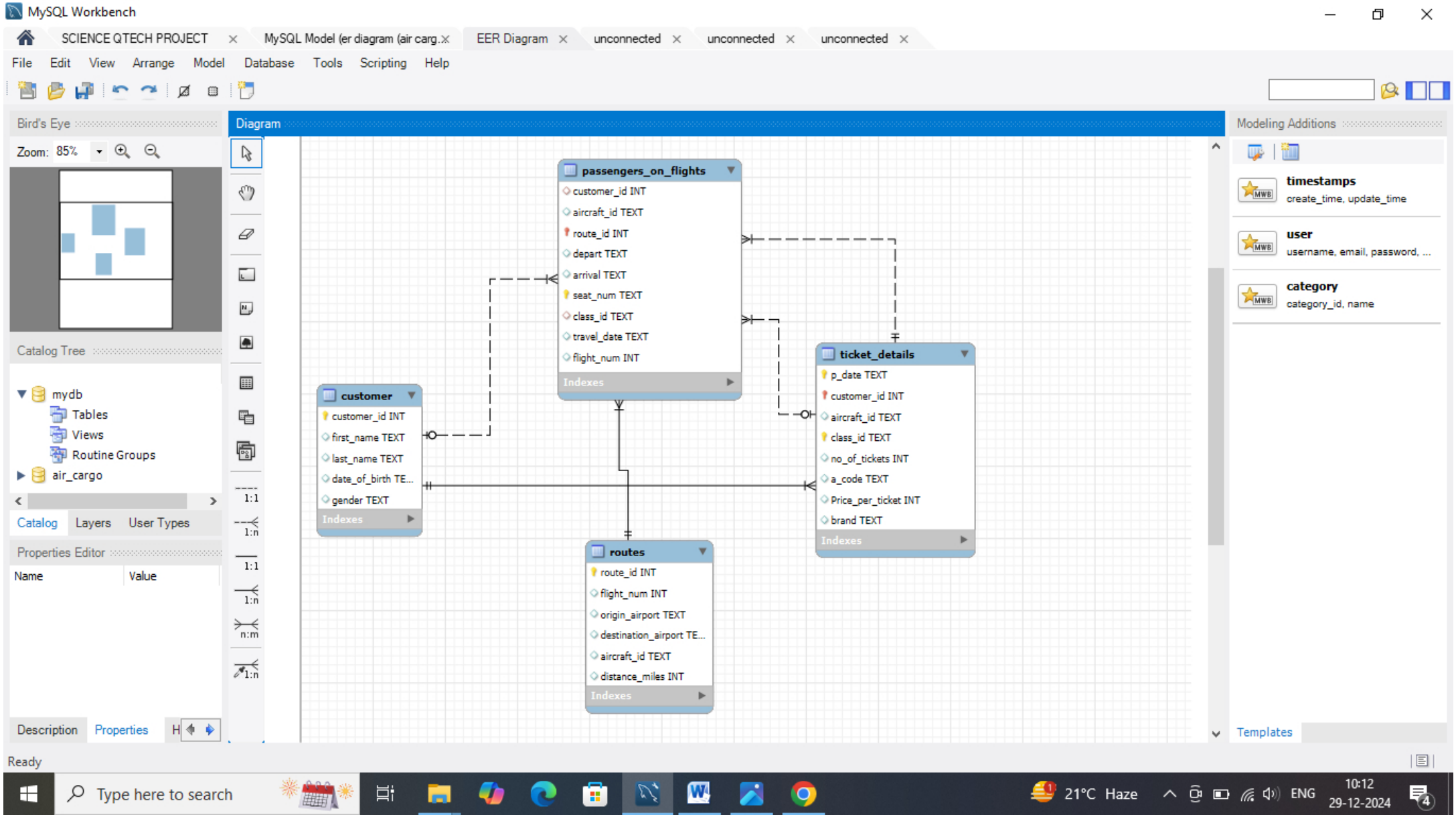
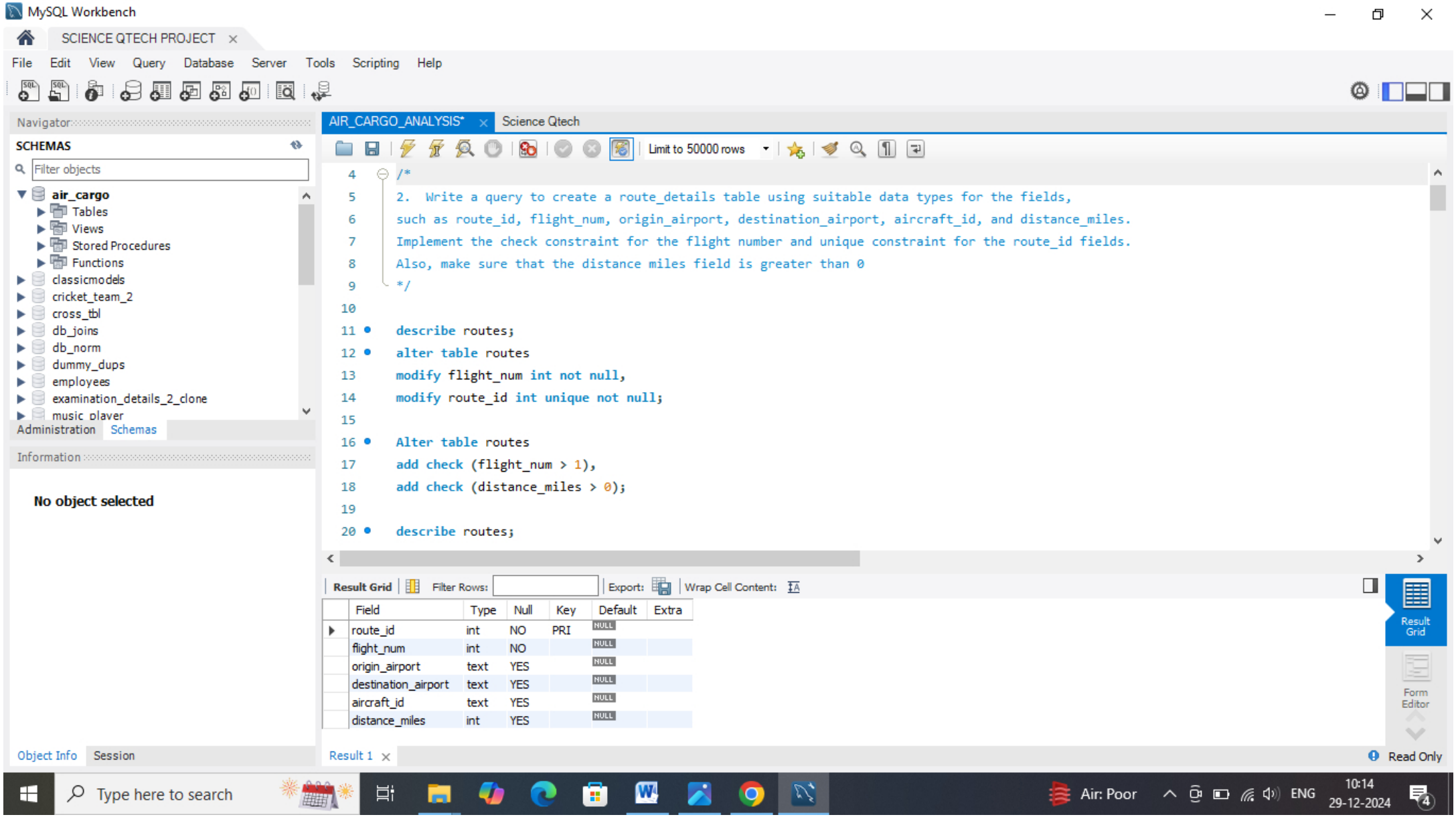
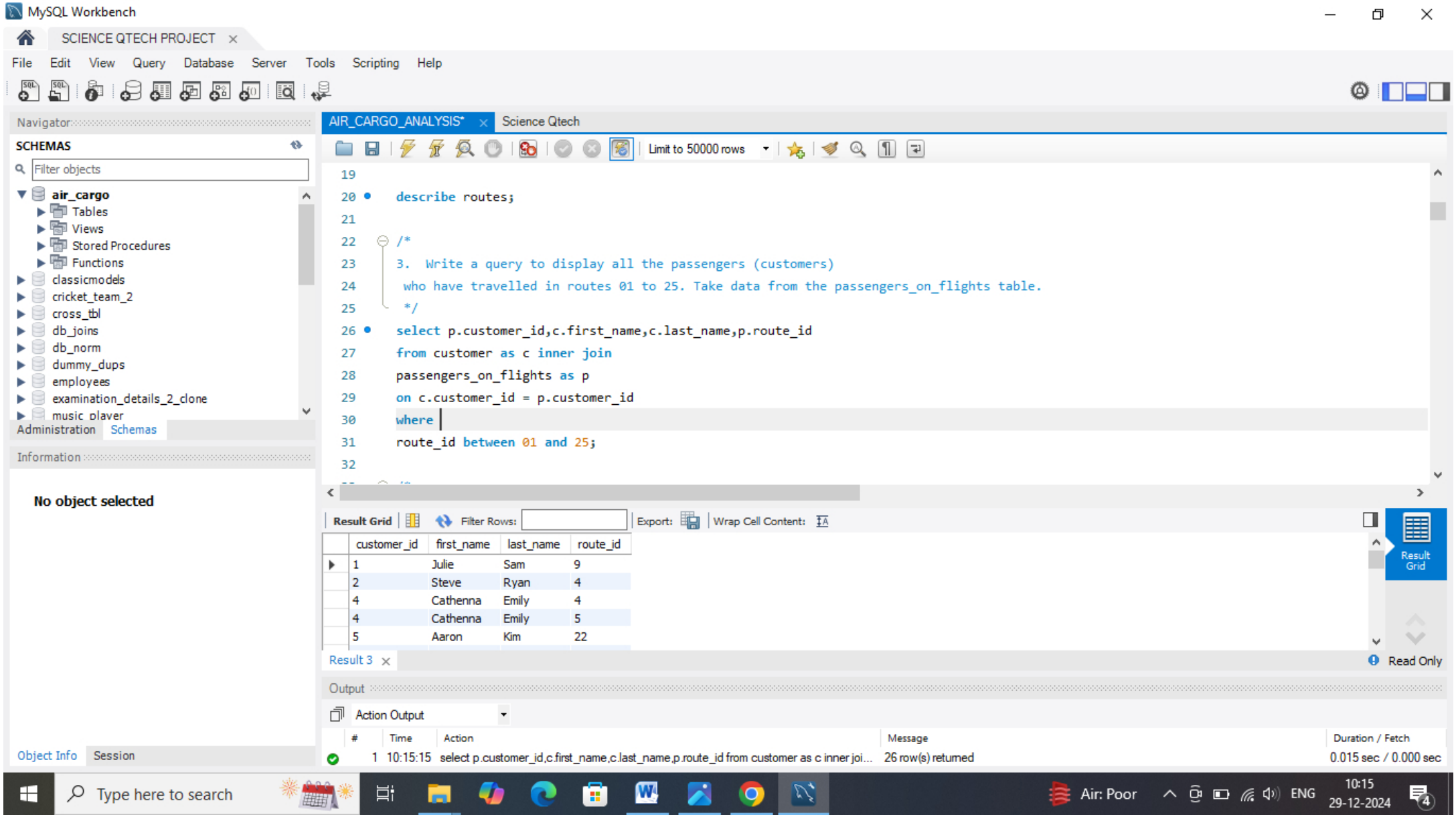
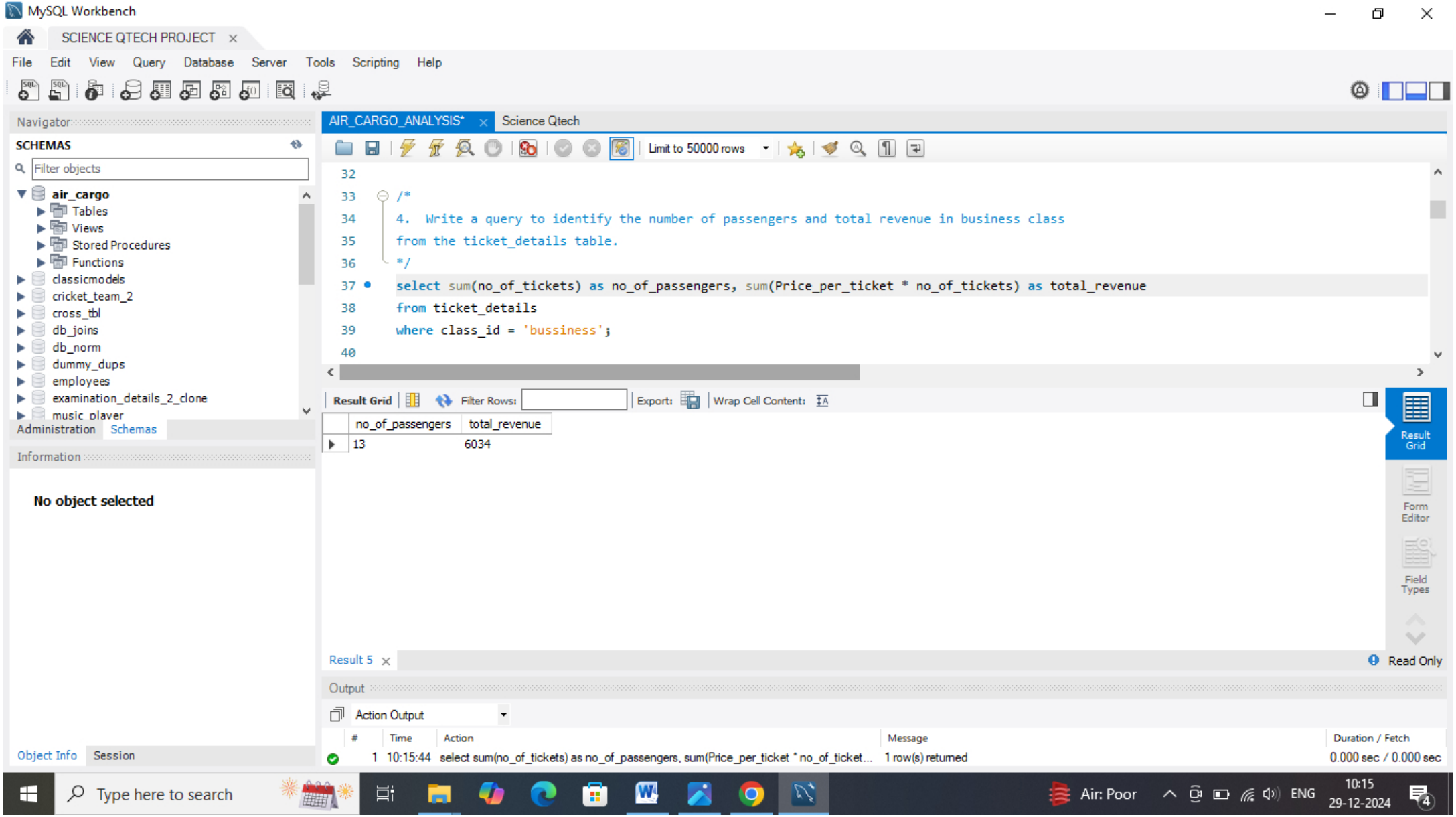

MySQL Workbench
SCIENCE QTECH PROJECT
MySQL Model (er diagram (air carg...
EER Diagram
unconnected
unconnected
unconnected
File Edit View Arrange Model Database Tools Scripting Help
Bird's Eye
Zoom: 85%
Catalog Tree
mydb
Tables
Views
Routine Groups
air_cargo
Catalog Layers User Types
Properties Editor
Name Value
Description Properties
Diagram
passengers_on_flights
customer_id INT
aircraft_id TEXT
route_id INT
depart TEXT
arrival TEXT
seat_num TEXT
class_id TEXT
travel_date TEXT
flight_num INT
Indexes
customer
customer_id INT
first_name TEXT
last_name TEXT
date_of_birth TE...
gender TEXT
Indexes
ticket_details
p_date TEXT
customer_id INT
aircraft_id TEXT
class_id TEXT
no_of_tickets INT
a_code TEXT
Price_per_ticket INT
brand TEXT
Indexes
routes
route_id INT
flight_num INT
origin_airport TEXT
destination_airport TE...
aircraft_id TEXT
distance_miles INT
Indexes
1:1
1:n
1:1
1:n
n:m
1:n
Modeling Additions
timestamps
create_time, update_time
user
username, email, password, ...
category
category_id, name
Templates
Ready
Type here to search
21°C Haze
ENG
10:12
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
air_cargo
Tables
Views
Stored Procedures
Functions
classicmodels
cricket_team_2
cross_tbl
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
/*
2. Write a query to create a route_details table using suitable data types for the fields,
such as route_id, flight_num, origin_airport, destination_airport, aircraft_id, and distance_miles.
Implement the check constraint for the flight number and unique constraint for the route_id fields.
Also, make sure that the distance miles field is greater than 0
*/
describe routes;
alter table routes
modify flight_num int not null,
modify route_id int unique not null;
Alter table routes
add check (flight_num > 1),
add check (distance_miles > 0);
describe routes;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Field Type Null Key Default Extra
route_id int NO PRI NULL
flight_num int NO NULL
origin_airport text YES NULL
destination_airport text YES NULL
aircraft_id text YES NULL
distance_miles int YES NULL
Result 1
Read Only
Type here to search
Air: Poor
ENG
10:14
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
air_cargo
Tables
Views
Stored Procedures
Functions
classicmodels
cricket_team_2
cross_tbl
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
19
20 describe routes;
21
22 /*
23 3. Write a query to display all the passengers (customers)
24 who have travelled in routes 01 to 25. Take data from the passengers_on_flights table.
25 */
26 select p.customer_id,c.first_name,c.last_name,p.route_id
27 from customer as c inner join
28 passengers_on_flights as p
29 on c.customer_id = p.customer_id
30 where
31 route_id between 01 and 25;
32
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
customer_id first_name last_name route_id
1 Julie Sam 9
2 Steve Ryan 4
4 Cathenna Emily 4
4 Cathenna Emily 5
5 Aaron Kim 22
Result 3
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:15:15 select p.customer_id,c.first_name,c.last_name,p.route_id from customer as c inner joi... 26 row(s) returned 0.015 sec / 0.000 sec
Type here to search
Air: Poor
ENG
10:15
29-12-2024


MySQL Workbench
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File Edit View Query Database Server Tools Scripting Help
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SCHEMAS
Filter objects
air_cargo
Tables
Views
Stored Procedures
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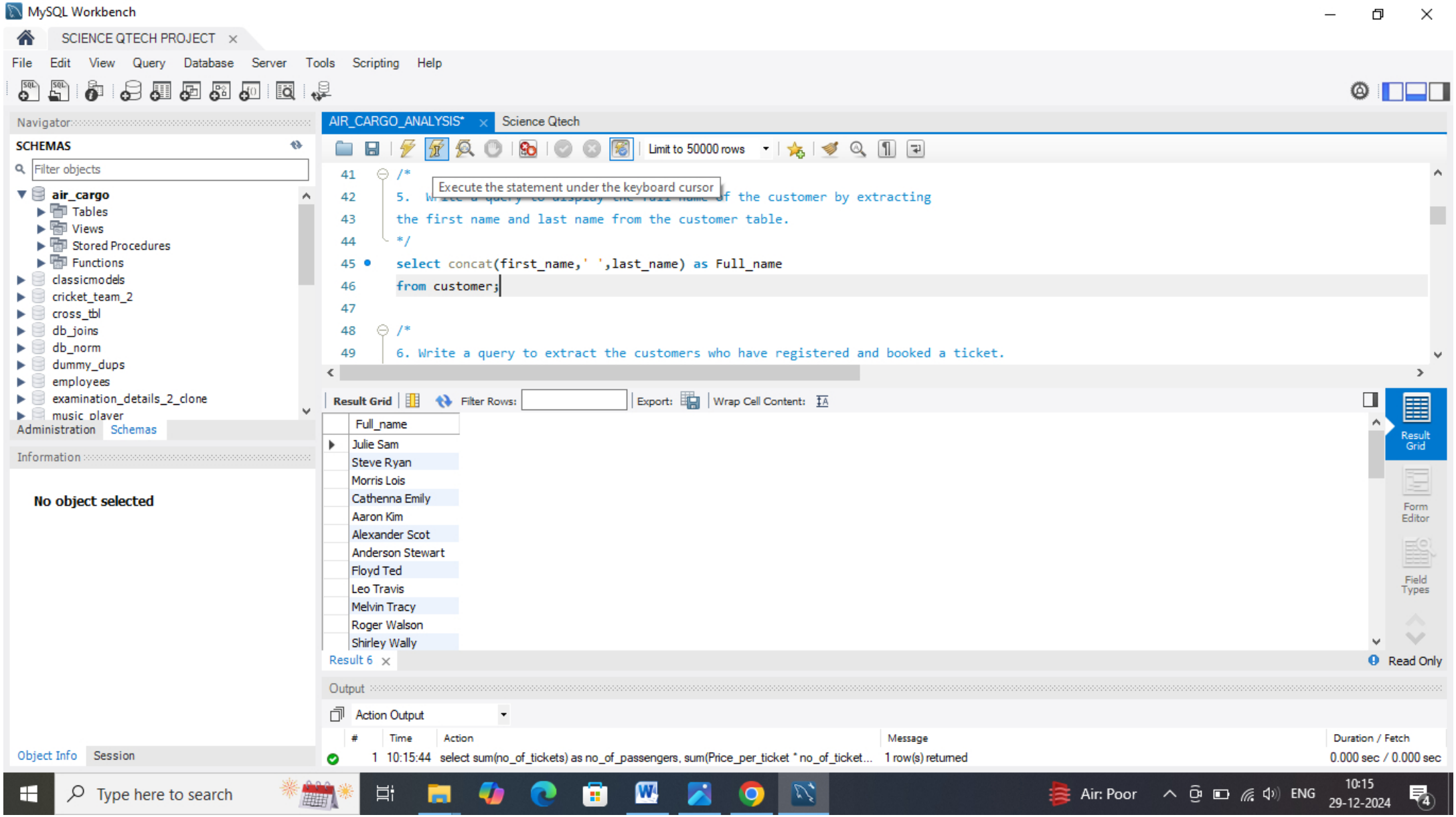
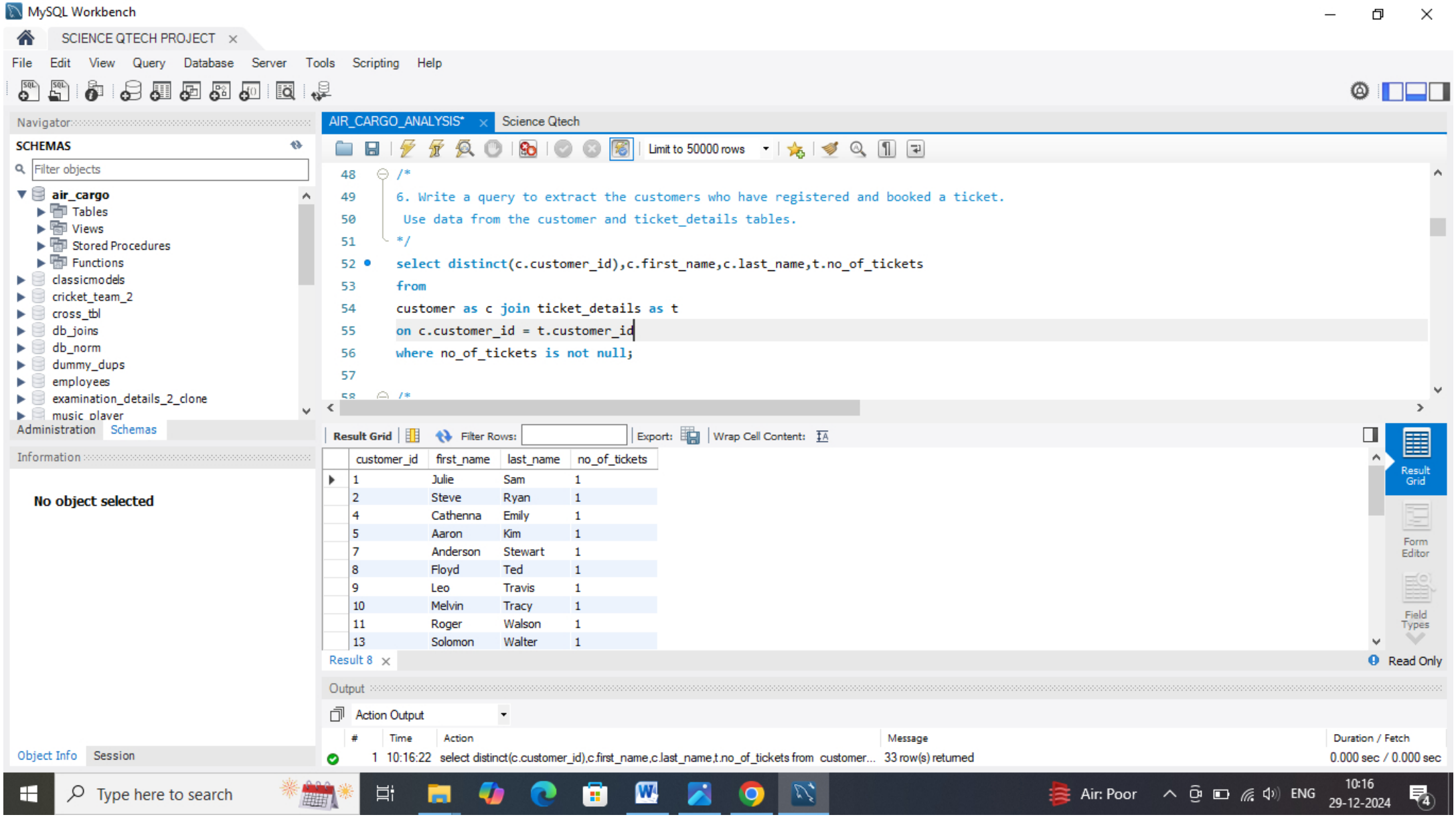
classicmodels
cricket_team_2
cross_tbl
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
32
33 /*
34 4. Write a query to identify the number of passengers and total revenue in business class
35 from the ticket_details table.
36 */
37 select sum(no_of_tickets) as no_of_passengers, sum(Price_per_ticket * no_of_tickets) as total_revenue
38 from ticket_details
39 where class_id = 'bussiness';
40
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
no_of_passengers total_revenue
13 6034
Result Grid
Form Editor
Field Types
Result 5
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:15:44 select sum(no_of_tickets) as no_of_passengers, sum(Price_per_ticket * no_of_ticket... 1 row(s) returned 0.000 sec / 0.000 sec
Type here to search
Air: Poor
ENG
10:15
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
air_cargo
Tables
Views
Stored Procedures
Functions
classicmodels
cricket_team_2
cross_tbl
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
Execute the statement under the keyboard cursor
41 /*
42 5. Write a query to display the full name of the customer by extracting
43 the first name and last name from the customer table.
44 */
45 select concat(first_name,' ',last_name) as Full_name
46 from customer;
47
48 /*
49 6. Write a query to extract the customers who have registered and booked a ticket.
Result Grid Filter Rows: Export: Wrap Cell Content:
Full_name
Julie Sam
Steve Ryan
Morris Lois
Cathenna Emily
Aaron Kim
Alexander Scot
Anderson Stewart
Floyd Ted
Leo Travis
Melvin Tracy
Roger Walson
Shirley Wally
Result 6
Result Grid
Form Editor
Field Types
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:15:44 select sum(no_of_tickets) as no_of_passengers, sum(Price_per_ticket * no_of_ticket... 1 row(s) returned 0.000 sec / 0.000 sec
Type here to search
Air: Poor
ENG
10:15
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
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Filter objects
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Views
Stored Procedures
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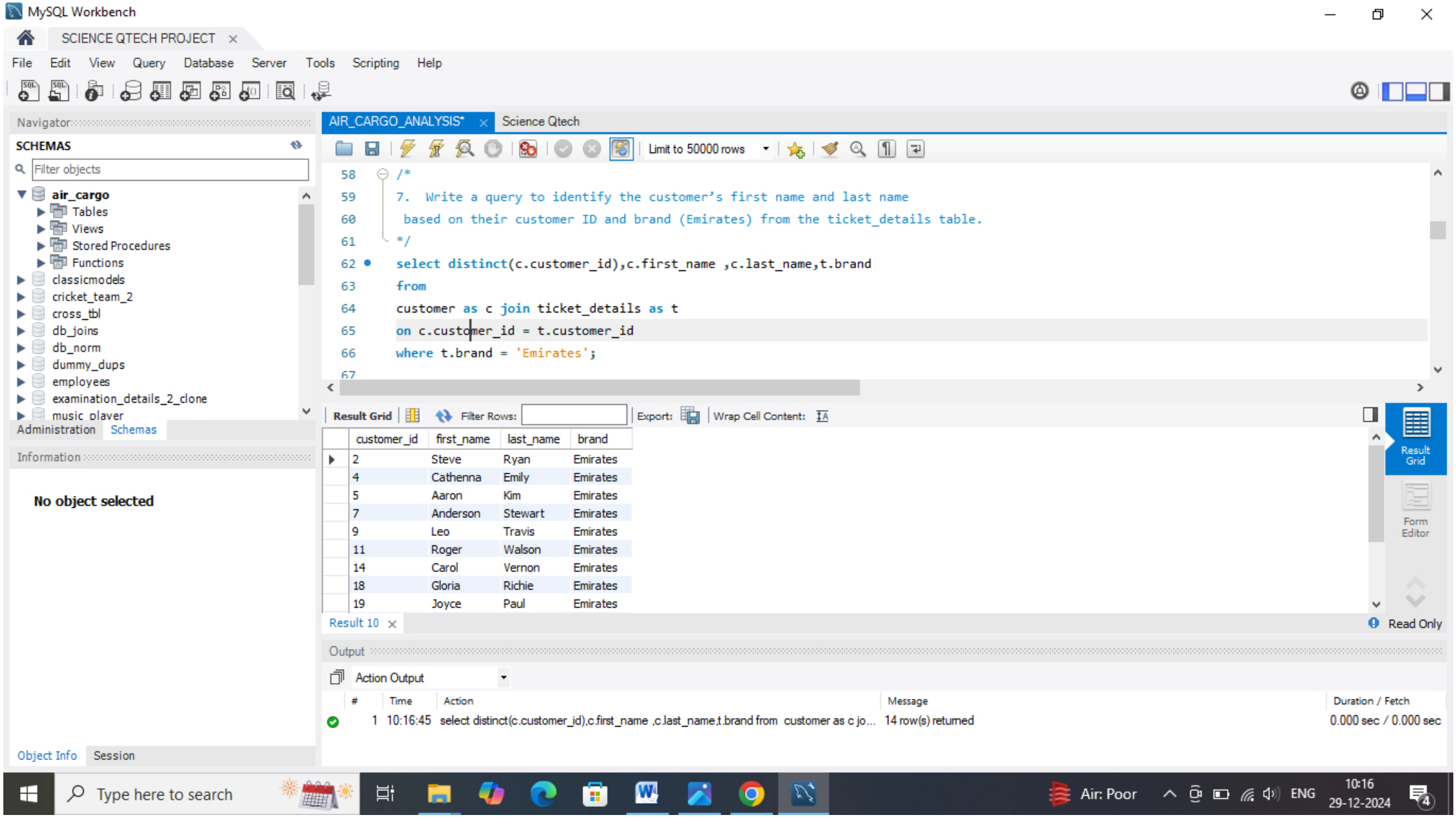
classicmodels
cricket_team_2
cross_tbl
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
48 /*
49 6. Write a query to extract the customers who have registered and booked a ticket.
50 Use data from the customer and ticket_details tables.
51 */
52 select distinct(c.customer_id),c.first_name,c.last_name,t.no_of_tickets
53 from
54 customer as c join ticket_details as t
55 on c.customer_id = t.customer_id
56 where no_of_tickets is not null;
57
58 /*
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
customer_id first_name last_name no_of_tickets
1 Julie Sam 1
2 Steve Ryan 1
4 Cathenna Emily 1
5 Aaron Kim 1
7 Anderson Stewart 1
8 Floyd Ted 1
9 Leo Travis 1
10 Melvin Tracy 1
11 Roger Walson 1
13 Solomon Walter 1
Result 8
Result Grid
Form Editor
Field Types
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:16:22 select distinct(c.customer_id),c.first_name,c.last_name,t.no_of_tickets from customer... 33 row(s) returned 0.000 sec / 0.000 sec
Type here to search
Air: Poor
ENG
10:16
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
File Edit View Query Database Server Tools Scripting Help
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SCHEMAS
Filter objects
air_cargo
Tables
Views
Stored Procedures
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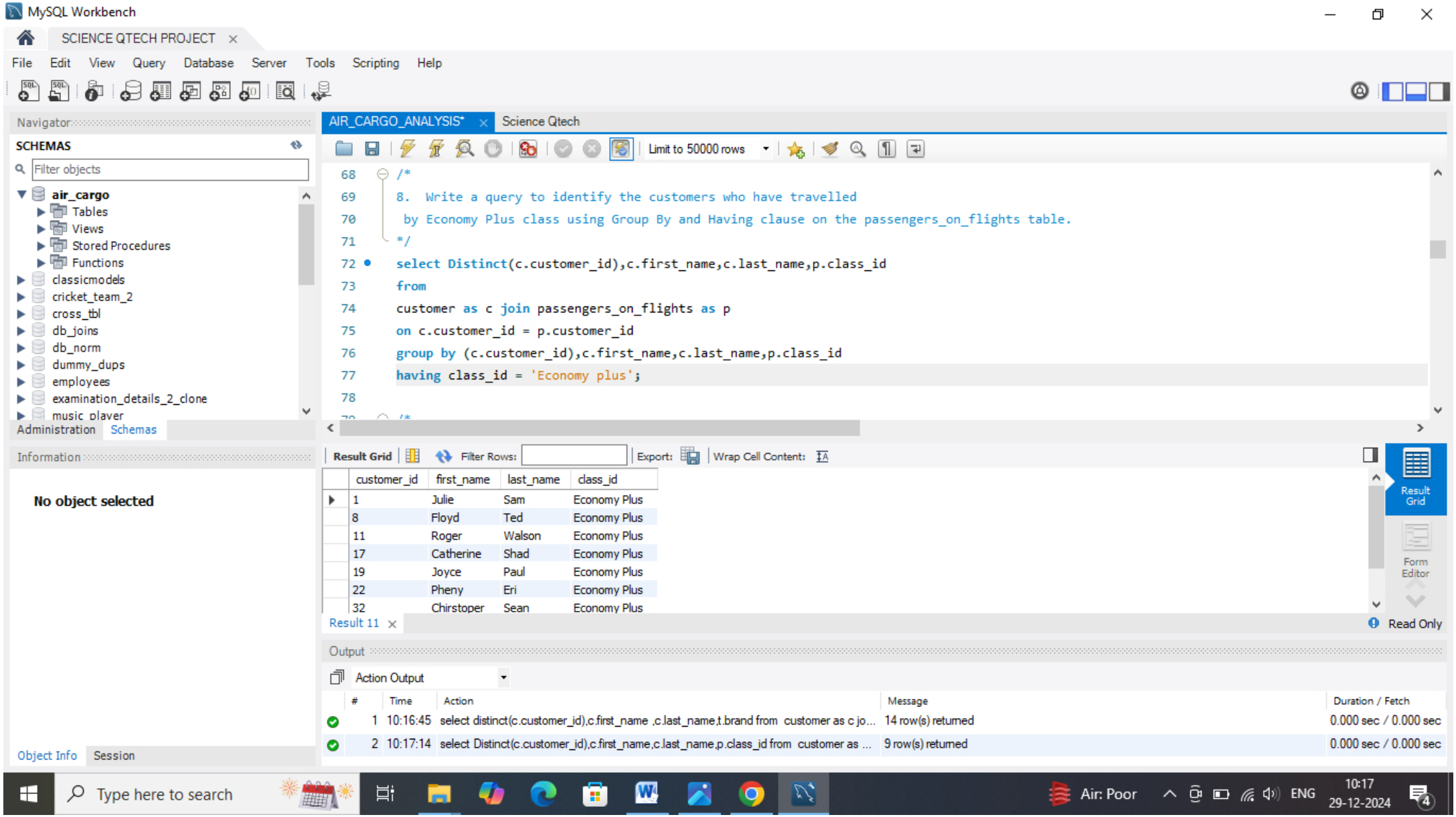
classicmodels
cricket_team_2
cross_tbl
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
58 /*
59 7. Write a query to identify the customer's first name and last name
60 based on their customer ID and brand (Emirates) from the ticket_details table.
61 */
62 select distinct(c.customer_id),c.first_name ,c.last_name,t.brand
63 from
64 customer as c join ticket_details as t
65 on c.customer_id = t.customer_id
66 where t.brand = 'Emirates';
67
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
customer_id first_name last_name brand
2 Steve Ryan Emirates
4 Cathenna Emily Emirates
5 Aaron Kim Emirates
7 Anderson Stewart Emirates
9 Leo Travis Emirates
11 Roger Walson Emirates
14 Carol Vernon Emirates
18 Gloria Richie Emirates
19 Joyce Paul Emirates
Result 10
Result Grid
Form Editor
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:16:45 select distinct(c.customer_id),c.first_name ,c.last_name,t.brand from customer as c jo... 14 row(s) returned 0.000 sec / 0.000 sec
Type here to search
Air: Poor
ENG
10:16
29-12-2024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Stored Procedures
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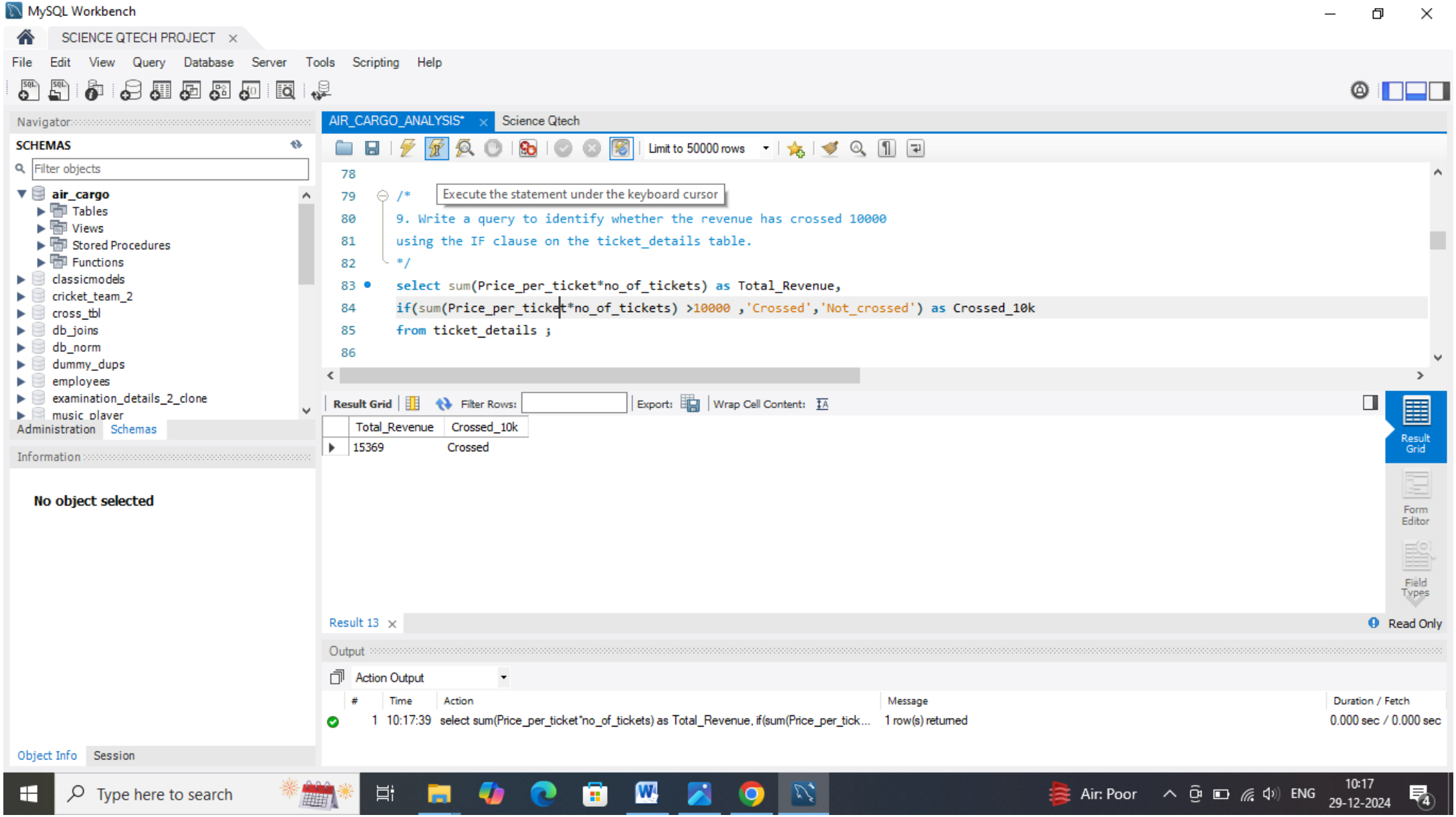
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
68 /*
69 8. Write a query to identify the customers who have travelled
70 by Economy Plus class using Group By and Having clause on the passengers_on_flights table.
71 */
72 select Distinct(c.customer_id),c.first_name,c.last_name,p.class_id
73 from
74 customer as c join passengers_on_flights as p
75 on c.customer_id = p.customer_id
76 group by (c.customer_id),c.first_name,c.last_name,p.class_id
77 having class_id = 'Economy plus';
78
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
customer_id first_name last_name class_id
1 Julie Sam Economy Plus
8 Floyd Ted Economy Plus
11 Roger Walson Economy Plus
17 Catherine Shad Economy Plus
19 Joyce Paul Economy Plus
22 Pheny Eri Economy Plus
32 Chirstoper Sean Economy Plus
Result 11
Result Grid
Form Editor
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:16:45 select distinct(c.customer_id),c.first_name ,c.last_name,t.brand from customer as c jo... 14 row(s) returned 0.000 sec / 0.000 sec
2 10:17:14 select Distinct(c.customer_id),c.first_name,c.last_name,p.class_id from customer as ... 9 row(s) returned 0.000 sec / 0.000 sec
Type here to search
Air: Poor
ENG
10:17
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
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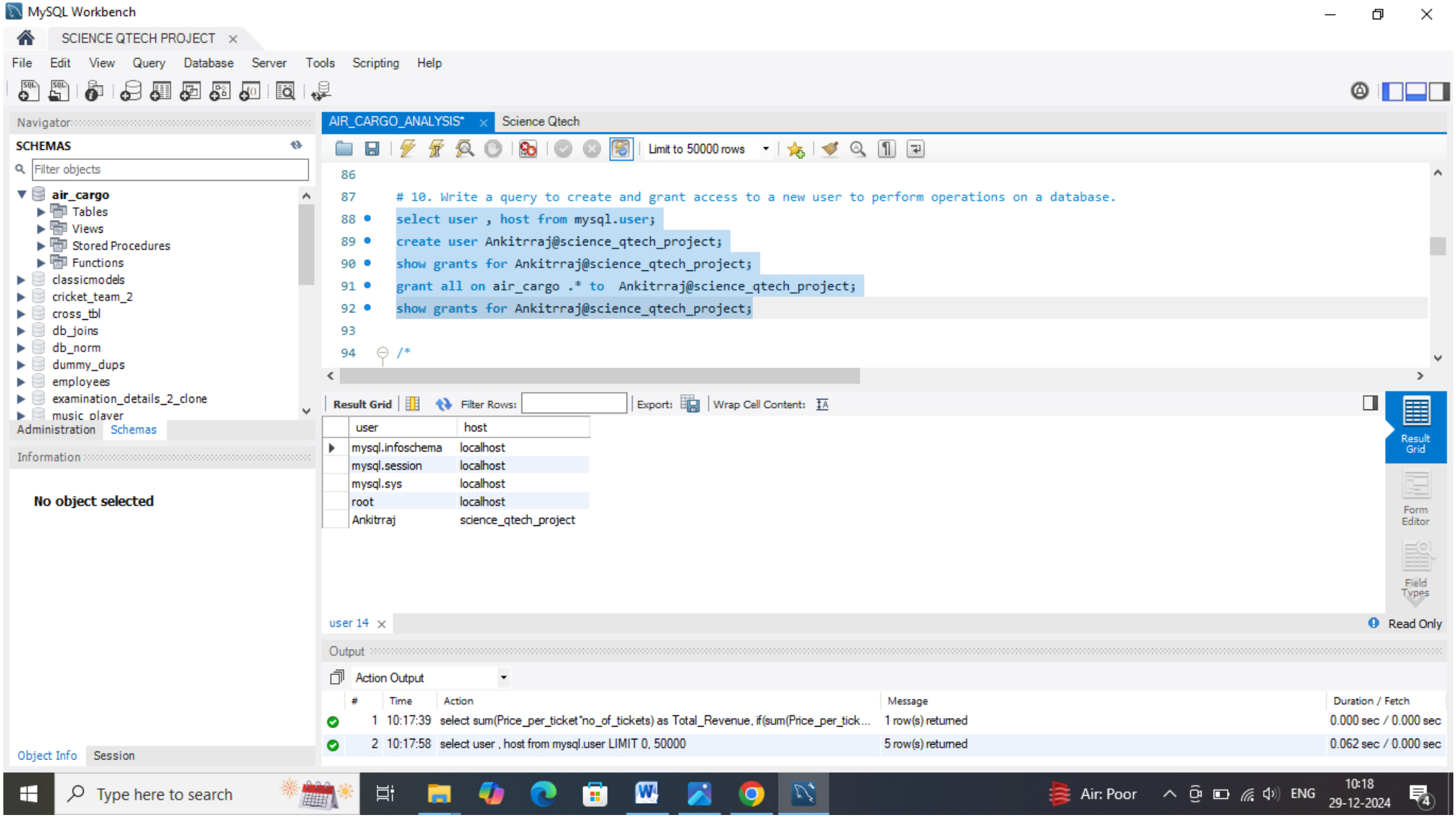
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
78
79 /*
Execute the statement under the keyboard cursor
80 9. Write a query to identify whether the revenue has crossed 10000
81 using the IF clause on the ticket_details table.
82 */
83 select sum(Price_per_ticket*no_of_tickets) as Total_Revenue,
84 if(sum(Price_per_ticket*no_of_tickets) >10000 ,'Crossed','Not_crossed') as Crossed_10k
85 from ticket_details ;
86
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Total_Revenue Crossed_10k
15369 Crossed
Result Grid
Form Editor
Field Types
Result 13
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:17:39 select sum(Price_per_ticket*no_of_tickets) as Total_Revenue, if(sum(Price_per_tick... 1 row(s) returned 0.000 sec / 0.000 sec
Type here to search
Air: Poor
ENG
10:17
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
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Filter objects
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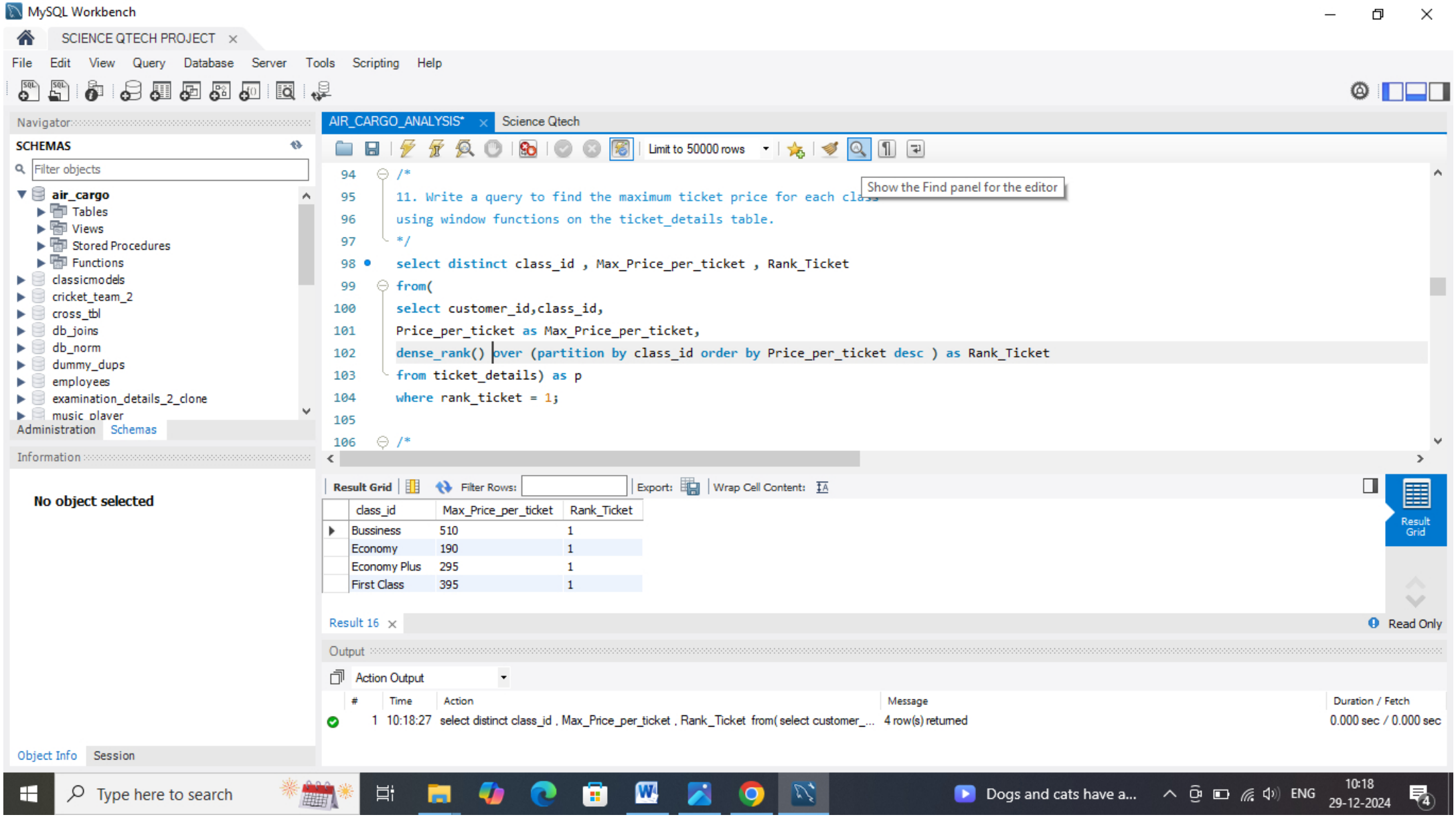
Stored Procedures
Functions
classicmodels
cricket_team_2
cross_tbl
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
86
87 # 10. Write a query to create and grant access to a new user to perform operations on a database.
88 select user , host from mysql.user;
89 create user Ankitrraj@science_qtech_project;
90 show grants for Ankitrraj@science_qtech_project;
91 grant all on air_cargo .* to Ankitrraj@science_qtech_project;
92 show grants for Ankitrraj@science_qtech_project;
93
94 /*
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
user
host
mysql.infoschema localhost
mysql.session localhost
mysql.sys localhost
root localhost
Ankitrraj science_qtech_project
Result Grid
Form Editor
Field Types
user 14
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:17:39 select sum(Price_per_ticket*no_of_tickets) as Total_Revenue, if(sum(Price_per_tick... 1 row(s) returned 0.000 sec / 0.000 sec
2 10:17:58 select user , host from mysql.user LIMIT 0, 50000 5 row(s) returned 0.062 sec / 0.000 sec
Type here to search
Air: Poor
ENG
10:18
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
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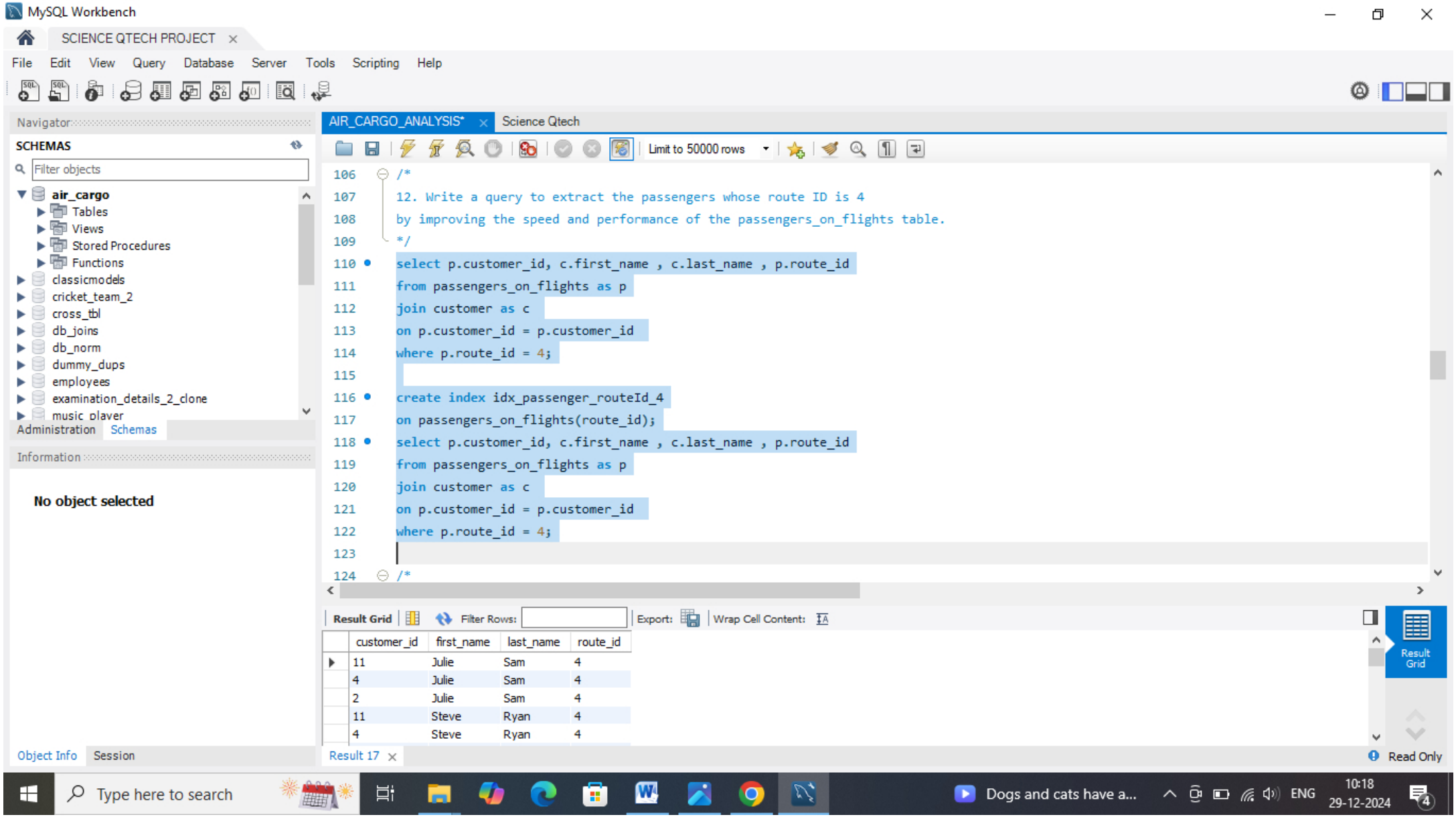
cross_tbl
db_joins
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
Show the Find panel for the editor
94 /*
95 11. Write a query to find the maximum ticket price for each cla
96 using window functions on the ticket_details table.
97 */
98 select distinct class_id , Max_Price_per_ticket , Rank_Ticket
99 from(
100 select customer_id,class_id,
101 Price_per_ticket as Max_Price_per_ticket,
102 dense_rank() over (partition by class_id order by Price_per_ticket desc) as Rank_Ticket
103 from ticket_details) as p
104 where rank_ticket = 1;
105
106 /*
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
class_id Max_Price_per_ticket Rank_Ticket
Bussiness 510 1
Economy 190 1
Economy Plus 295 1
First Class 395 1
Result Grid
Result 16
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:18:27 select distinct class_id , Max_Price_per_ticket , Rank_Ticket from(select customer_... 4 row(s) returned 0.000 sec / 0.000 sec
Type here to search
Dogs and cats have a...
ENG
10:18
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
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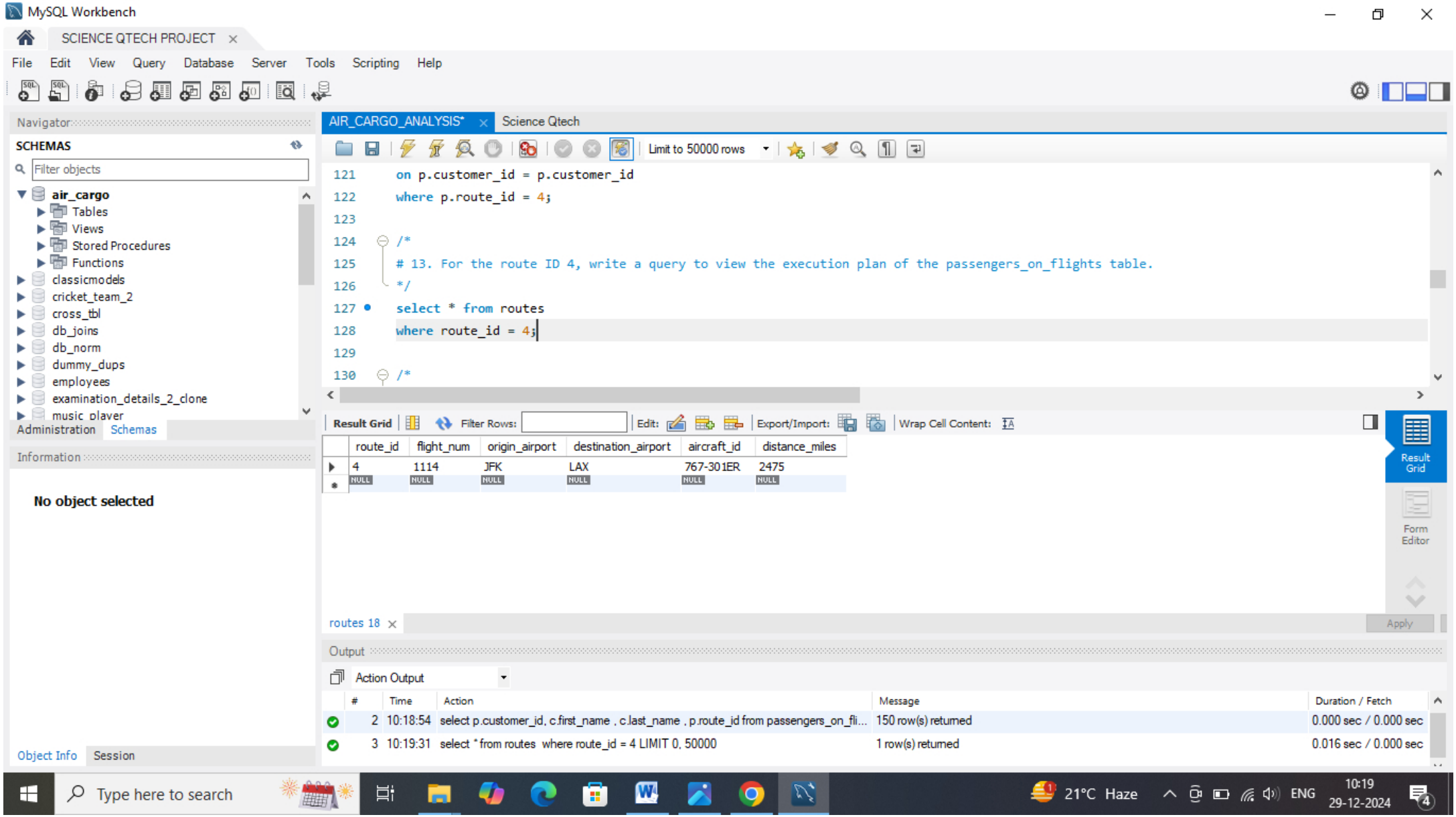
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
106 /*
107 12. Write a query to extract the passengers whose route ID is 4
108 by improving the speed and performance of the passengers_on_flights table.
109 */
110 select p.customer_id, c.first_name , c.last_name , p.route_id
111 from passengers_on_flights as p
112 join customer as c
113 on p.customer_id = p.customer_id
114 where p.route_id = 4;
115
116 create index idx_passenger_routeId_4
117 on passengers_on_flights(route_id);
118 select p.customer_id, c.first_name , c.last_name , p.route_id
119 from passengers_on_flights as p
120 join customer as c
121 on p.customer_id = p.customer_id
122 where p.route_id = 4;
123
124 /*
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
customer_id first_name last_name route_id
11 Julie Sam 4
4 Julie Sam 4
2 Julie Sam 4
11 Steve Ryan 4
4 Steve Ryan 4
Result 17
Result Grid
Read Only
Type here to search
Dogs and cats have a...
ENG
10:18
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
air_cargo
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employees
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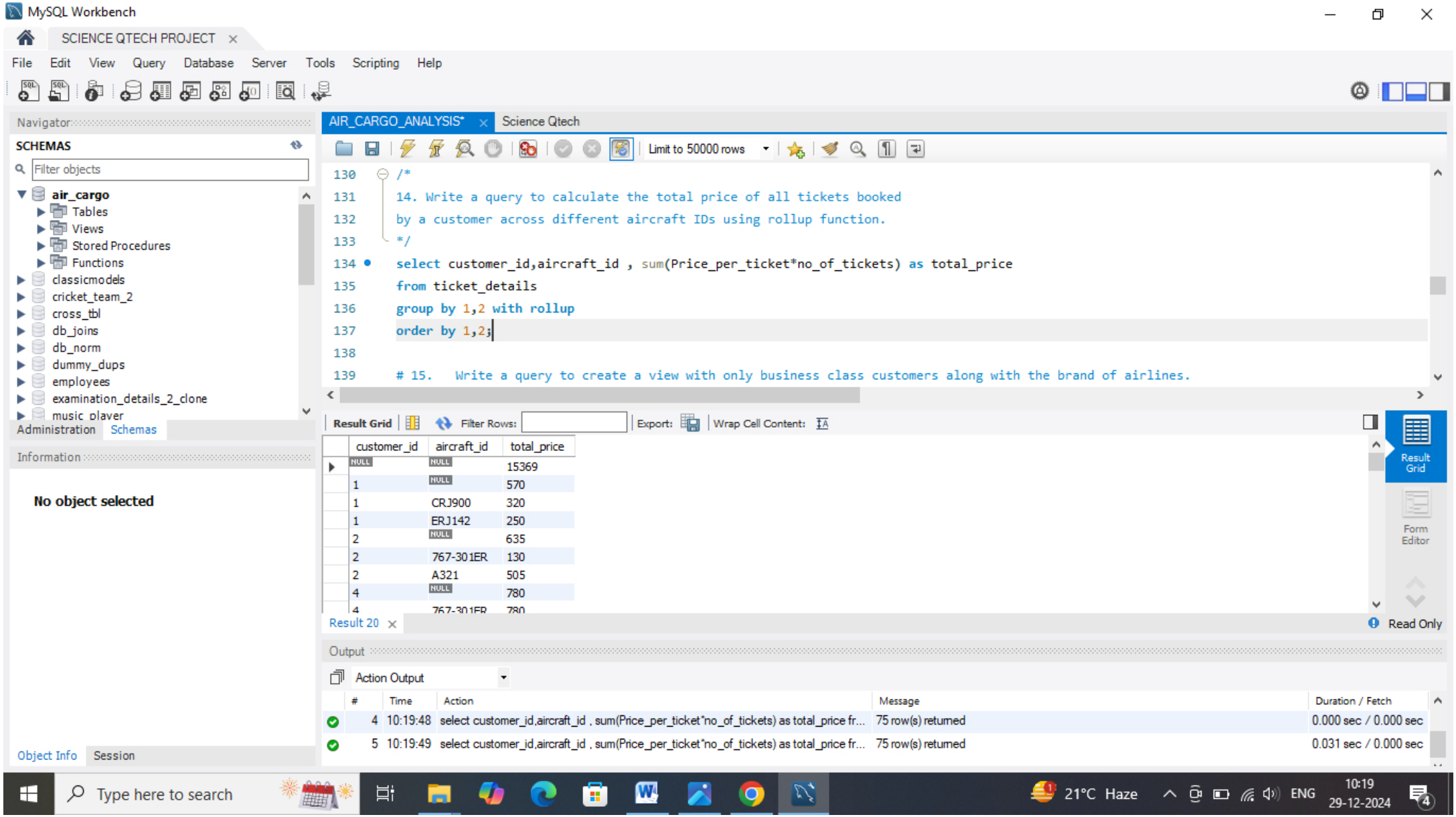
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
121 on p.customer_id = p.customer_id
122 where p.route_id = 4;
123
124 /*
125 # 13. For the route ID 4, write a query to view the execution plan of the passengers_on_flights table.
126 */
127 select * from routes
128 where route_id = 4;
129
130 /*
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
route_id flight_num origin_airport destination_airport aircraft_id distance_miles
4 1114 JFK LAX 767-301ER 2475
NULL NULL NULL NULL NULL NULL
Result Grid
Form Editor
routes 18
Apply
Output
Action Output
Time Action Message Duration / Fetch
2 10:18:54 select p.customer_id, c.first_name , c.last_name , p.route_id from passengers_on_fli... 150 row(s) returned 0.000 sec / 0.000 sec
3 10:19:31 select * from routes where route_id = 4 LIMIT 0, 50000 1 row(s) returned 0.016 sec / 0.000 sec
Type here to search
21°C Haze
ENG
10:19
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
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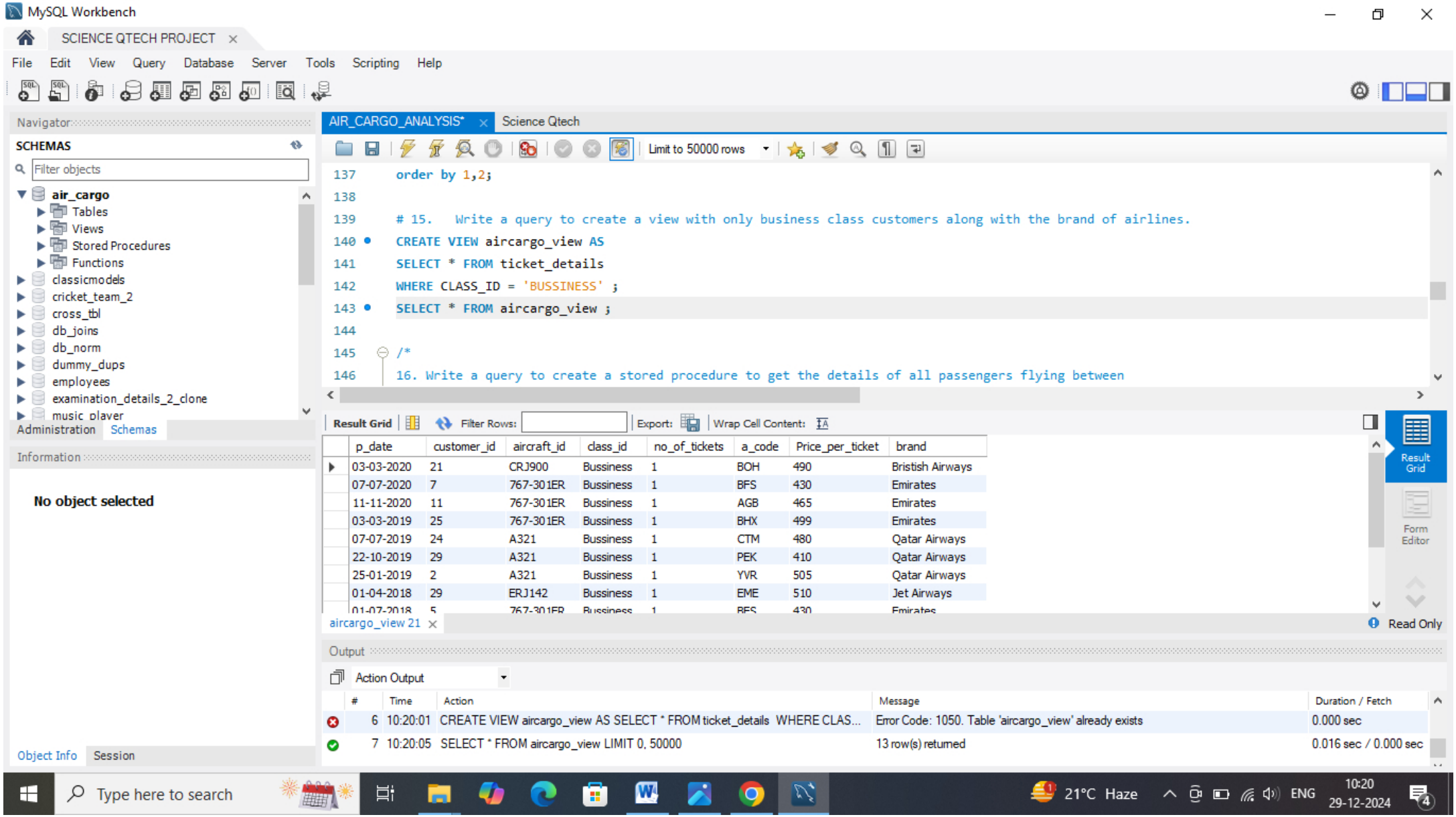
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
130 /*
131 14. Write a query to calculate the total price of all tickets booked
132 by a customer across different aircraft IDs using rollup function.
133 */
134 select customer_id,aircraft_id , sum(Price_per_ticket*no_of_tickets) as total_price
135 from ticket_details
136 group by 1,2 with rollup
137 order by 1,2;
138
139 # 15. Write a query to create a view with only business class customers along with the brand of airlines.
Result Grid Filter Rows: Export: Wrap Cell Content:
customer_id aircraft_id total_price
NULL NULL 15369
1 NULL 570
1 CRJ900 320
1 ERJ142 250
2 NULL 635
2 767-301ER 130
2 A321 505
4 NULL 780
4 767-301ER 780
Result 20
Result Grid
Form Editor
Read Only
Output
Action Output
Time Action Message Duration / Fetch
4 10:19:48 select customer_id,aircraft_id , sum(Price_per_ticket*no_of_tickets) as total_price fr... 75 row(s) returned 0.000 sec / 0.000 sec
5 10:19:49 select customer_id,aircraft_id , sum(Price_per_ticket*no_of_tickets) as total_price fr... 75 row(s) returned 0.031 sec / 0.000 sec
Type here to search
21°C Haze
ENG
10:19
29-12-2024


MySQL Workbench
SCIENCE QTECH PROJECT
File Edit View Query Database Server Tools Scripting Help
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SCHEMAS
Filter objects
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Stored Procedures
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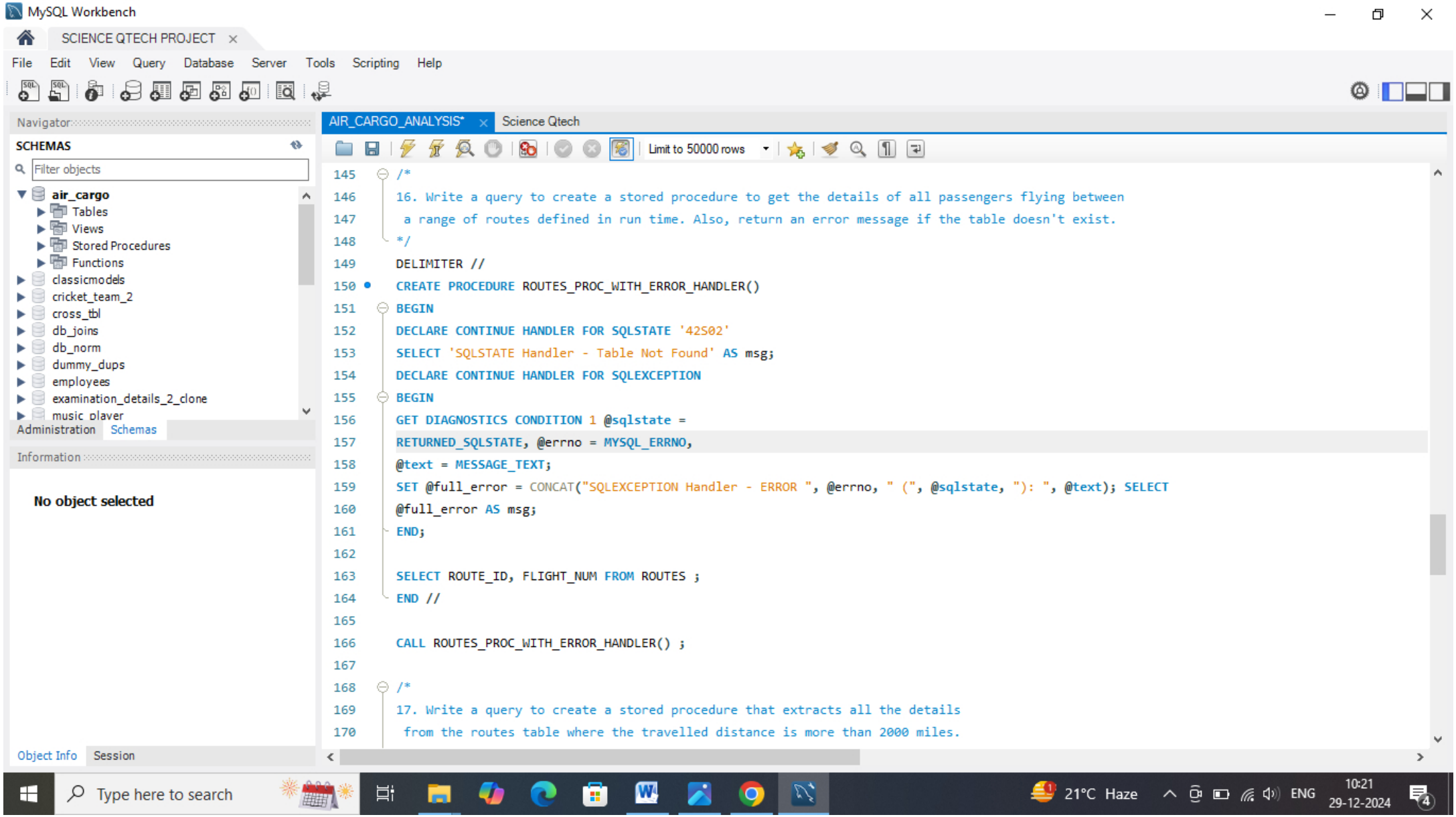
db_norm
dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
137 order by 1,2;
138
139 # 15. Write a query to create a view with only business class customers along with the brand of airlines.
140 CREATE VIEW aircargo_view AS
141 SELECT * FROM ticket_details
142 WHERE CLASS_ID = 'BUSSINESS' ;
143 SELECT * FROM aircargo_view ;
144
145 /*
146 16. Write a query to create a stored procedure to get the details of all passengers flying between
Result Grid Filter Rows: Export: Wrap Cell Content:
p_date customer_id aircraft_id class_id no_of_tickets a_code Price_per_ticket brand
03-03-2020 21 CRJ900 Bussiness 1 BOH 490 Bristish Airways
07-07-2020 7 767-301ER Bussiness 1 BFS 430 Emirates
11-11-2020 11 767-301ER Bussiness 1 AGB 465 Emirates
03-03-2019 25 767-301ER Bussiness 1 BHX 499 Emirates
07-07-2019 24 A321 Bussiness 1 CTM 480 Qatar Airways
22-10-2019 29 A321 Bussiness 1 PEK 410 Qatar Airways
25-01-2019 2 A321 Bussiness 1 YVR 505 Qatar Airways
01-04-2018 29 ERJ142 Bussiness 1 EME 510 Jet Airways
Result Grid
Form Editor
aircargo_view 21
Read Only
Output
Action Output
Time Action Message Duration / Fetch
6 10:20:01 CREATE VIEW aircargo_view AS SELECT * FROM ticket_details WHERE CLAS... Error Code: 1050. Table 'aircargo_view' already exists 0.000 sec
7 10:20:05 SELECT * FROM aircargo_view LIMIT 0, 50000 13 row(s) returned 0.016 sec / 0.000 sec
Type here to search
21°C Haze
ENG
10:20
29-12-2024


MySQL Workbench
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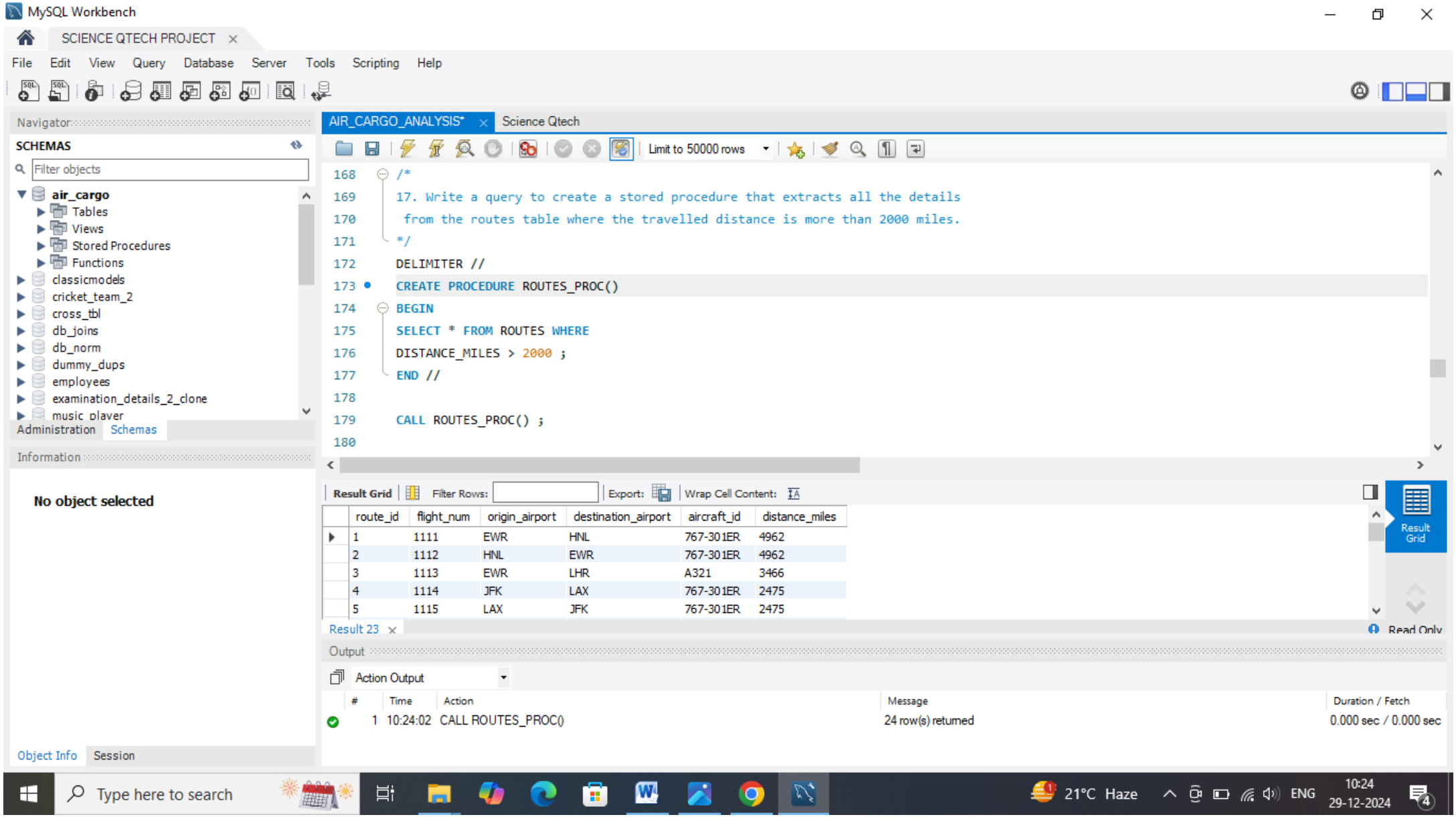
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
/*
16. Write a query to create a stored procedure to get the details of all passengers flying between
a range of routes defined in run time. Also, return an error message if the table doesn't exist.
*/
DELIMITER //
CREATE PROCEDURE ROUTES_PROC_WITH_ERROR_HANDLER()
BEGIN
DECLARE CONTINUE HANDLER FOR SQLSTATE '42S02'
SELECT 'SQLSTATE Handler - Table Not Found' AS msg;
DECLARE CONTINUE HANDLER FOR SQLEXCEPTION
BEGIN
GET DIAGNOSTICS CONDITION 1 @sqlstate =
RETURNED_SQLSTATE, @errno = MYSQL_ERRNO,
@text = MESSAGE_TEXT;
SET @full_error = CONCAT("SQLEXCEPTION Handler - ERROR ", @errno, " (", @sqlstate, "): ", @text); SELECT
@full_error AS msg;
END;
SELECT ROUTE_ID, FLIGHT_NUM FROM ROUTES ;
END //
CALL ROUTES_PROC_WITH_ERROR_HANDLER() ;
/*
17. Write a query to create a stored procedure that extracts all the details
from the routes table where the travelled distance is more than 2000 miles.
Type here to search
21°C Haze
ENG
10:21
29-12-2024


MySQL Workbench
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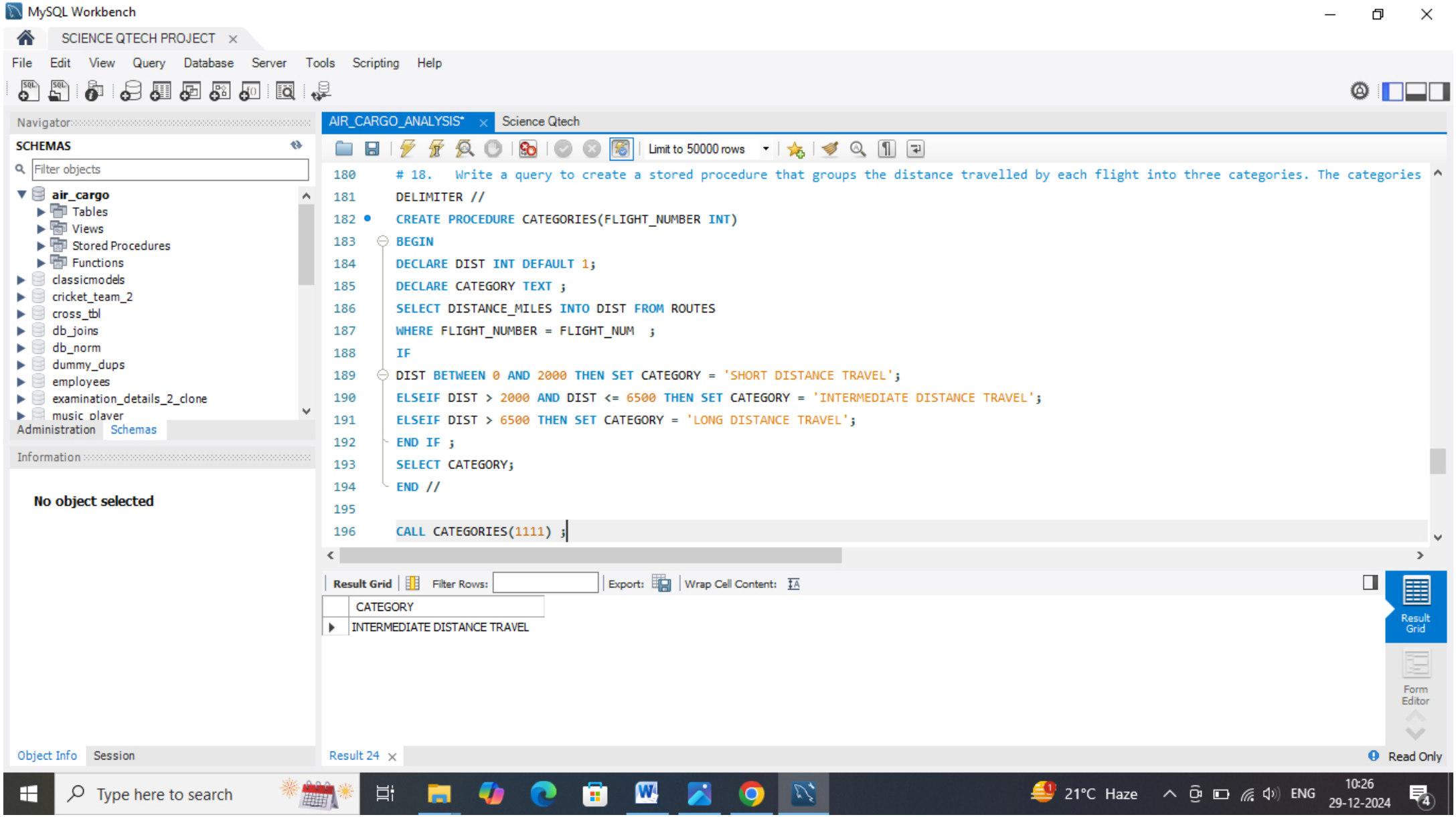
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
168 /*
169 17. Write a query to create a stored procedure that extracts all the details
170 from the routes table where the travelled distance is more than 2000 miles.
171 */
172 DELIMITER //
173 CREATE PROCEDURE ROUTES_PROC()
174 BEGIN
175 SELECT * FROM ROUTES WHERE
176 DISTANCE_MILES > 2000 ;
177 END //
178
179 CALL ROUTES_PROC() ;
180
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
route_id flight_num origin_airport destination_airport aircraft_id distance_miles
1 1111 EWR HNL 767-301ER 4962
2 1112 HNL EWR 767-301ER 4962
3 1113 EWR LHR A321 3466
4 1114 JFK LAX 767-301ER 2475
5 1115 LAX JFK 767-301ER 2475
Result 23
Result Grid
Read Only
Output
Action Output
Time Action Message Duration / Fetch
1 10:24:02 CALL ROUTES_PROC() 24 row(s) returned 0.000 sec / 0.000 sec
Type here to search
21°C Haze
ENG
10:24
29-12-2024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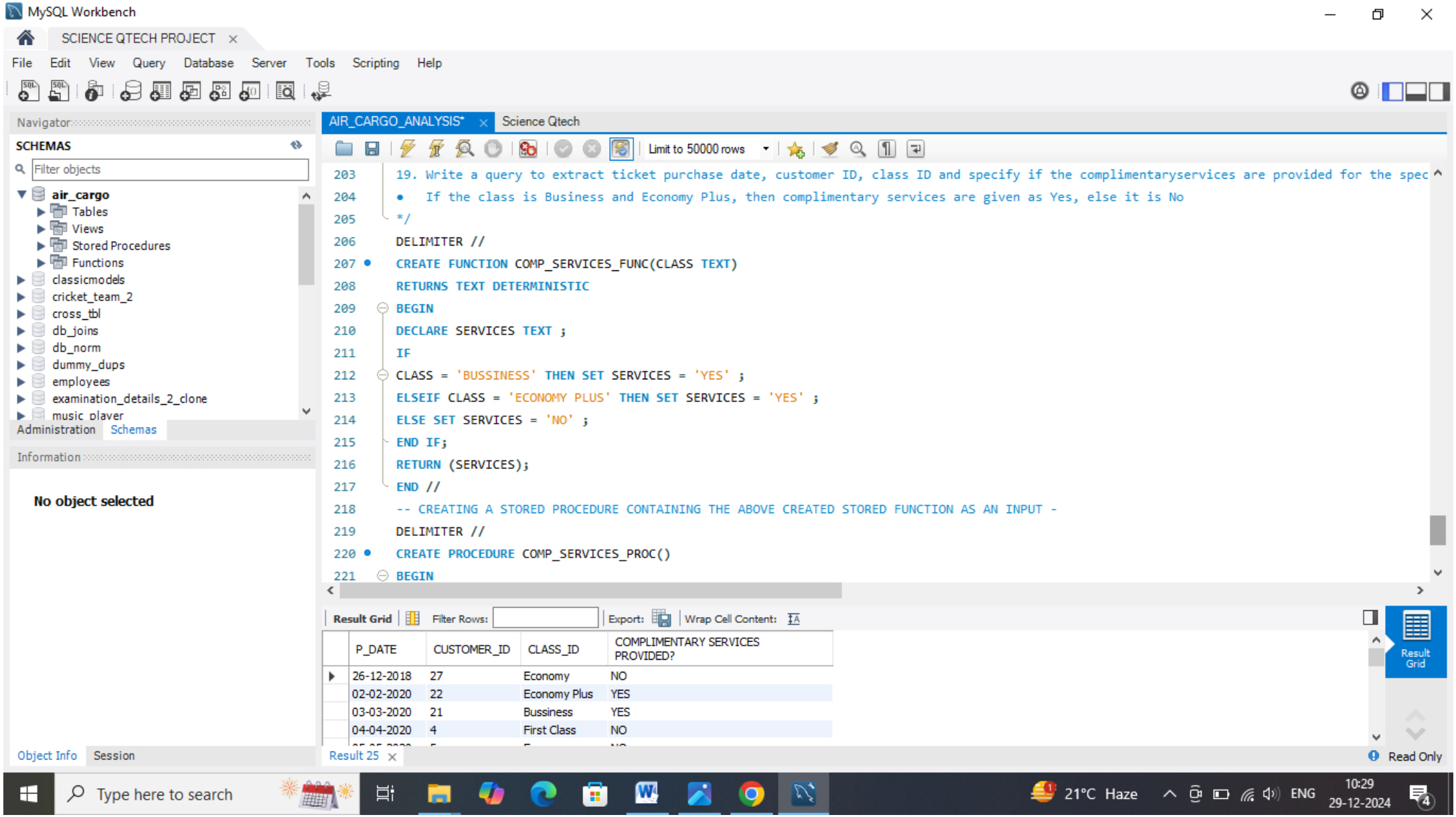
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
18. Write a query to create a stored procedure that groups the distance travelled by each flight into three categories. The categories
DELIMITER //
CREATE PROCEDURE CATEGORIES(FLIGHT_NUMBER INT)
BEGIN
DECLARE DIST INT DEFAULT 1;
DECLARE CATEGORY TEXT ;
SELECT DISTANCE_MILES INTO DIST FROM ROUTES
WHERE FLIGHT_NUMBER = FLIGHT_NUM ;
IF
DIST BETWEEN 0 AND 2000 THEN SET CATEGORY = 'SHORT DISTANCE TRAVEL';
ELSEIF DIST > 2000 AND DIST <= 6500 THEN SET CATEGORY = 'INTERMEDIATE DISTANCE TRAVEL';
ELSEIF DIST > 6500 THEN SET CATEGORY = 'LONG DISTANCE TRAVEL';
END IF ;
SELECT CATEGORY;
END //
CALL CATEGORIES(1111) ;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
CATEGORY
INTERMEDIATE DISTANCE TRAVEL
Result Grid
Form Editor
Result 24
Read Only
Type here to search
21°C Haze
ENG
10:26
29-12-2024


MySQL Workbench
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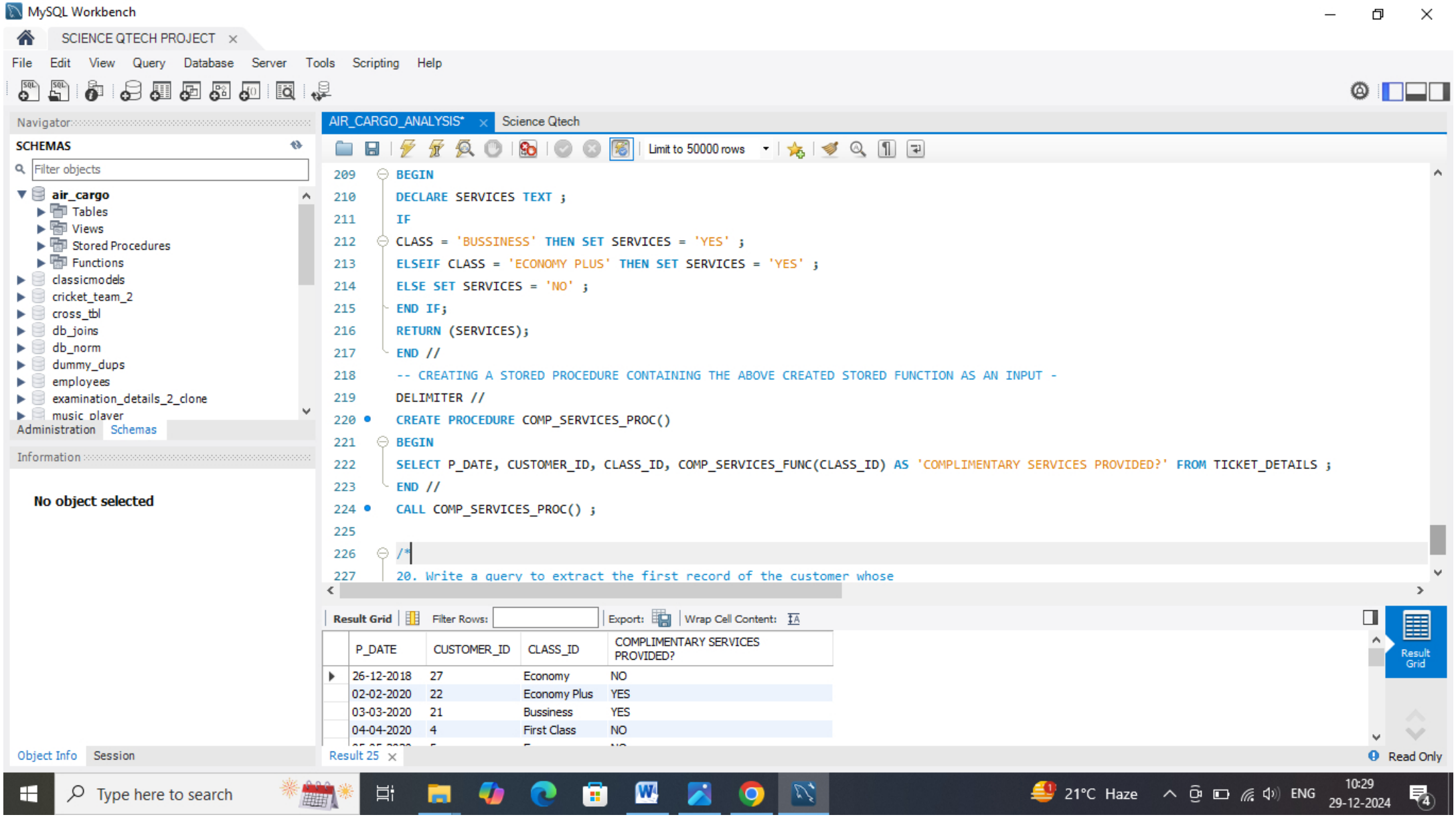
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
19. Write a query to extract ticket purchase date, customer ID, class ID and specify if the complimentaryservices are provided for the spec
• If the class is Business and Economy Plus, then complimentary services are given as Yes, else it is No
*/
DELIMITER //
CREATE FUNCTION COMP_SERVICES_FUNC(CLASS TEXT)
RETURNS TEXT DETERMINISTIC
BEGIN
DECLARE SERVICES TEXT ;
IF
CLASS = 'BUSSINESS' THEN SET SERVICES = 'YES' ;
ELSEIF CLASS = 'ECONOMY PLUS' THEN SET SERVICES = 'YES' ;
ELSE SET SERVICES = 'NO' ;
END IF;
RETURN (SERVICES);
END //
-- CREATING A STORED PROCEDURE CONTAINING THE ABOVE CREATED STORED FUNCTION AS AN INPUT -
DELIMITER //
CREATE PROCEDURE COMP_SERVICES_PROC()
BEGIN
Result Grid Filter Rows: Export: Wrap Cell Content:
P_DATE CUSTOMER_ID CLASS_ID COMPLIMENTARY SERVICES PROVIDED?
26-12-2018 27 Economy NO
02-02-2020 22 Economy Plus YES
03-03-2020 21 Bussiness YES
04-04-2020 4 First Class NO
Result 25
Read Only
Type here to search
21°C Haze
ENG
10:29
29-12-2024


MySQL Workbench
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dummy_dups
employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
209 BEGIN
210 DECLARE SERVICES TEXT ;
211 IF
212 CLASS = 'BUSSINESS' THEN SET SERVICES = 'YES' ;
213 ELSEIF CLASS = 'ECONOMY PLUS' THEN SET SERVICES = 'YES' ;
214 ELSE SET SERVICES = 'NO' ;
215 END IF;
216 RETURN (SERVICES);
217 END //
218 -- CREATING A STORED PROCEDURE CONTAINING THE ABOVE CREATED STORED FUNCTION AS AN INPUT -
219 DELIMITER //
220 CREATE PROCEDURE COMP_SERVICES_PROC()
221 BEGIN
222 SELECT P_DATE, CUSTOMER_ID, CLASS_ID, COMP_SERVICES_FUNC(CLASS_ID) AS 'COMPLIMENTARY SERVICES PROVIDED?' FROM TICKET_DETAILS ;
223 END //
224 CALL COMP_SERVICES_PROC() ;
225
226 /*
227 20. Write a query to extract the first record of the customer whose
Result Grid Filter Rows: Export: Wrap Cell Content:
P_DATE CUSTOMER_ID CLASS_ID COMPLIMENTARY SERVICES PROVIDED?
26-12-2018 27 Economy NO
02-02-2020 22 Economy Plus YES
03-03-2020 21 Bussiness YES
04-04-2020 4 First Class NO
Result Grid
Result 25
Read Only
Type here to search
21°C Haze
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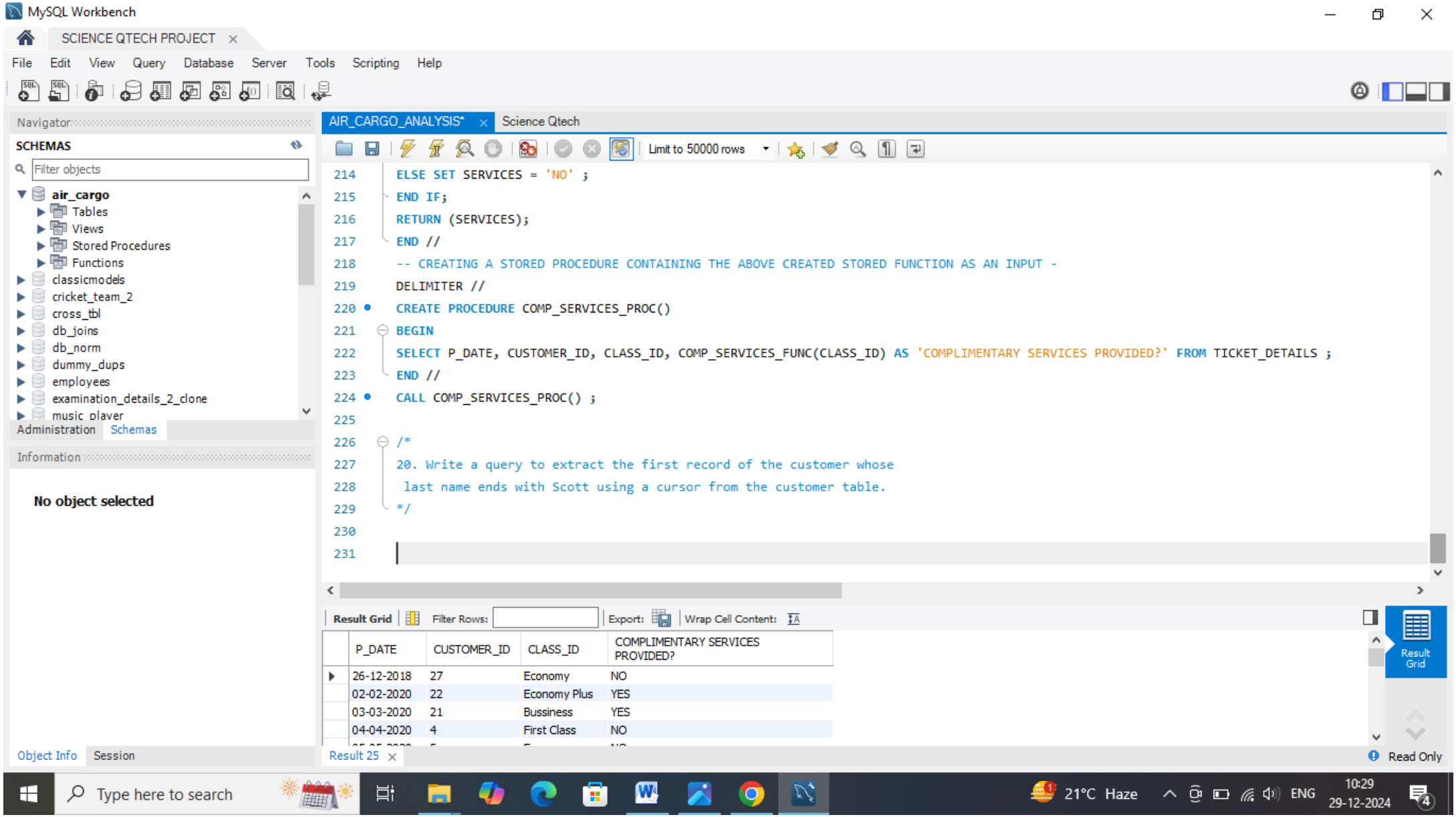
29-12-2024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employees
examination_details_2_clone
music_player
Administration Schemas
Information
No object selected
Object Info Session
AIR_CARGO_ANALYSIS*
Science Qtech
Limit to 50000 rows
214 ELSE SET SERVICES = 'NO' ;
215 END IF;
216 RETURN (SERVICES);
217 END //
218 -- CREATING A STORED PROCEDURE CONTAINING THE ABOVE CREATED STORED FUNCTION AS AN INPUT -
219 DELIMITER //
220 CREATE PROCEDURE COMP_SERVICES_PROC()
221 BEGIN
222 SELECT P_DATE, CUSTOMER_ID, CLASS_ID, COMP_SERVICES_FUNC(CLASS_ID) AS 'COMPLIMENTARY SERVICES PROVIDED?' FROM TICKET_DETAILS ;
223 END //
224 CALL COMP_SERVICES_PROC() ;
225
226 /*
227 20. Write a query to extract the first record of the customer whose
228 last name ends with Scott using a cursor from the customer table.
229 */
230
231
Result Grid Filter Rows: Export: Wrap Cell Content:
P_DATE CUSTOMER_ID CLASS_ID COMPLIMENTARY SERVICES PROVIDED?
26-12-2018 27 Economy NO
02-02-2020 22 Economy Plus YES
03-03-2020 21 Bussiness YES
04-04-2020 4 First Class NO
Result Grid
Result 25
Read Only
Type here to search
21°C Haze
ENG
10:29
29-12-2024