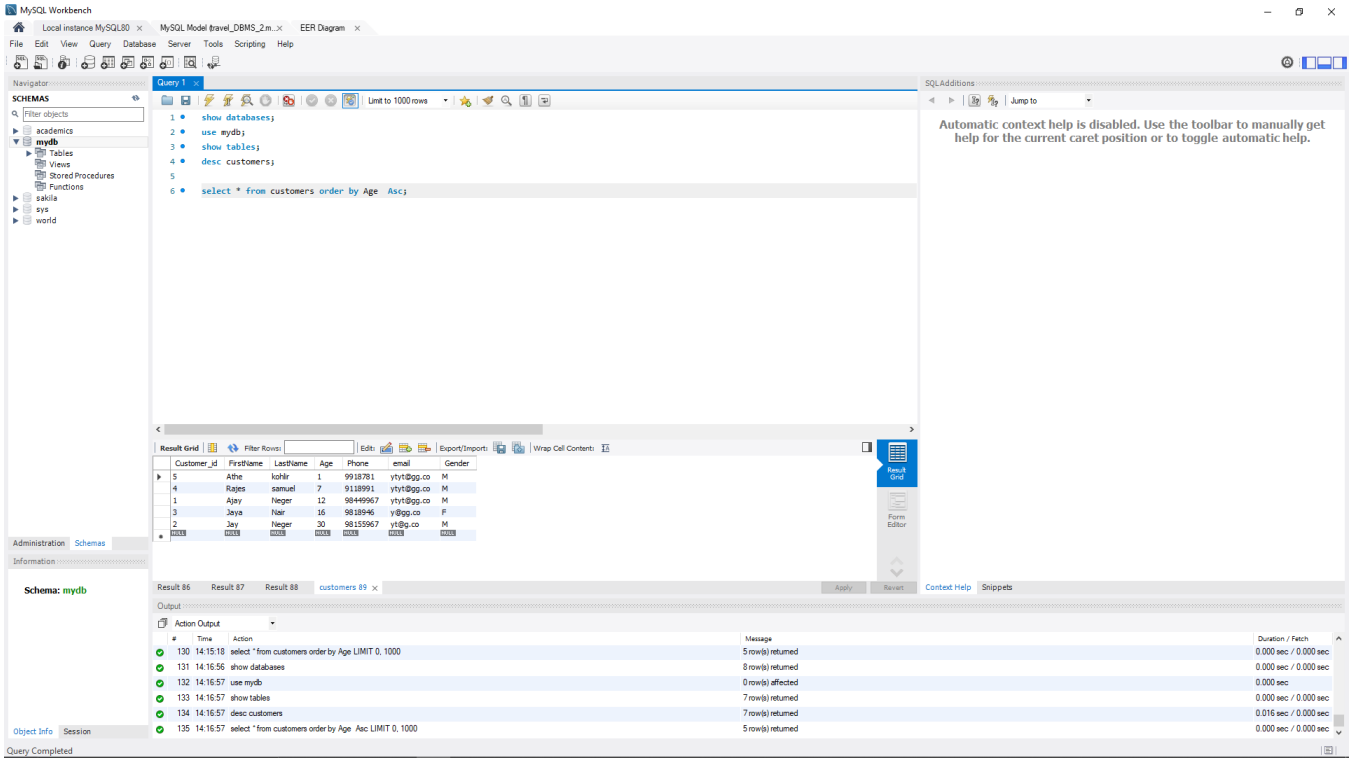
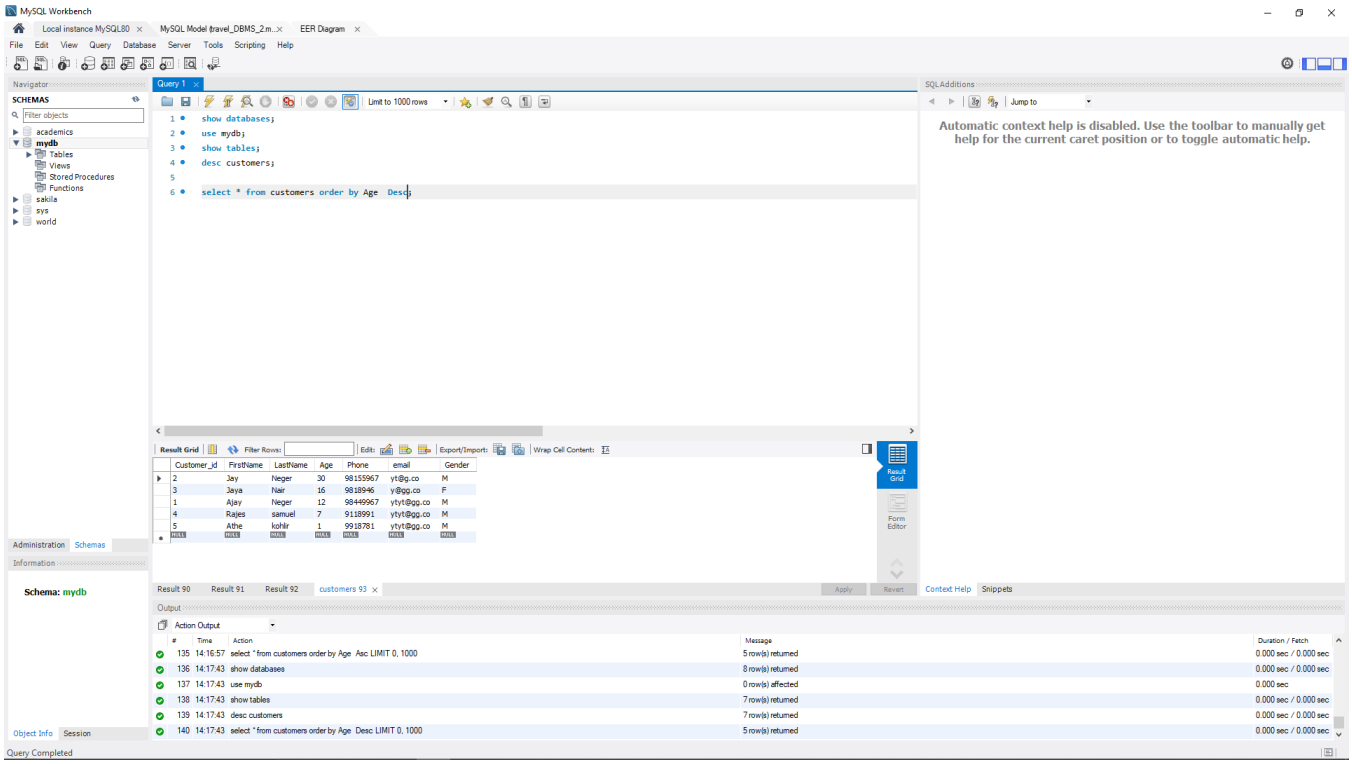
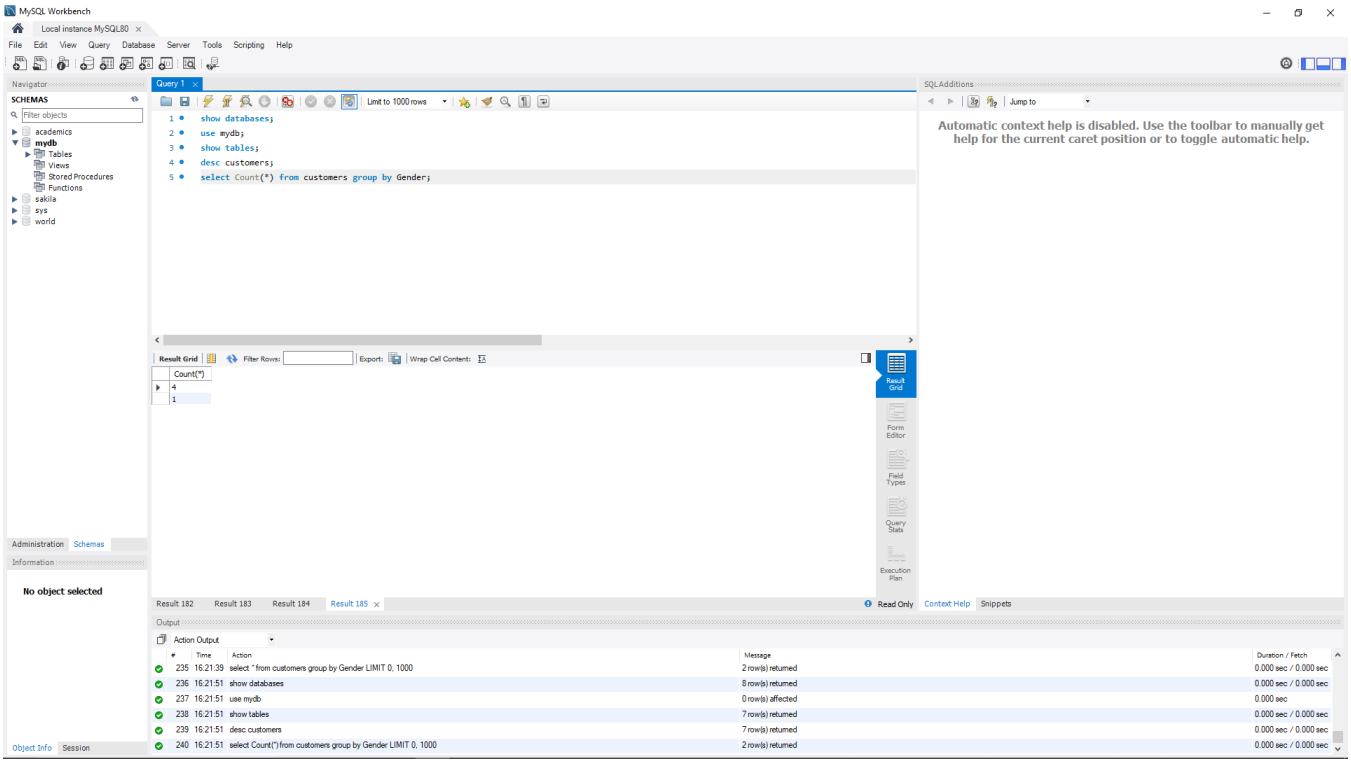
DBMS Assignment-4

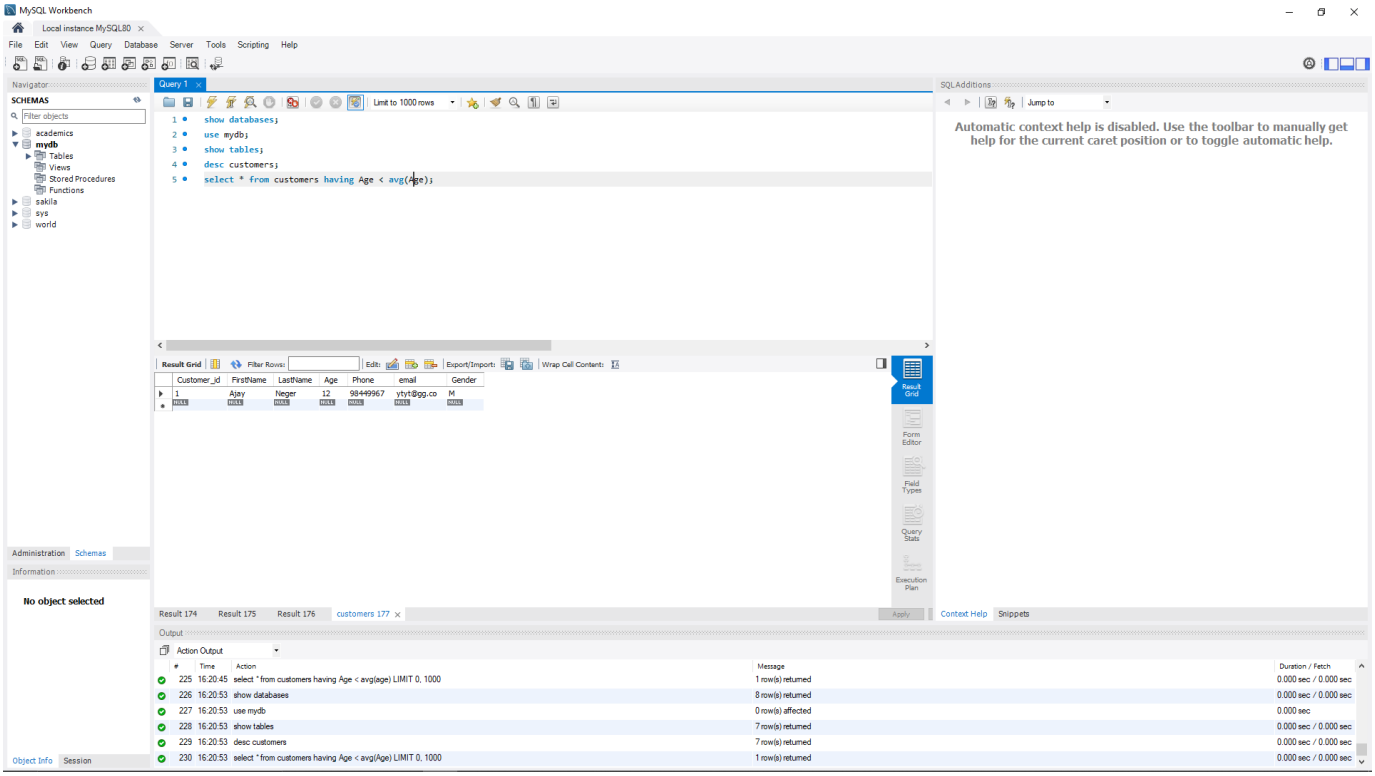
1. Order by Clause..





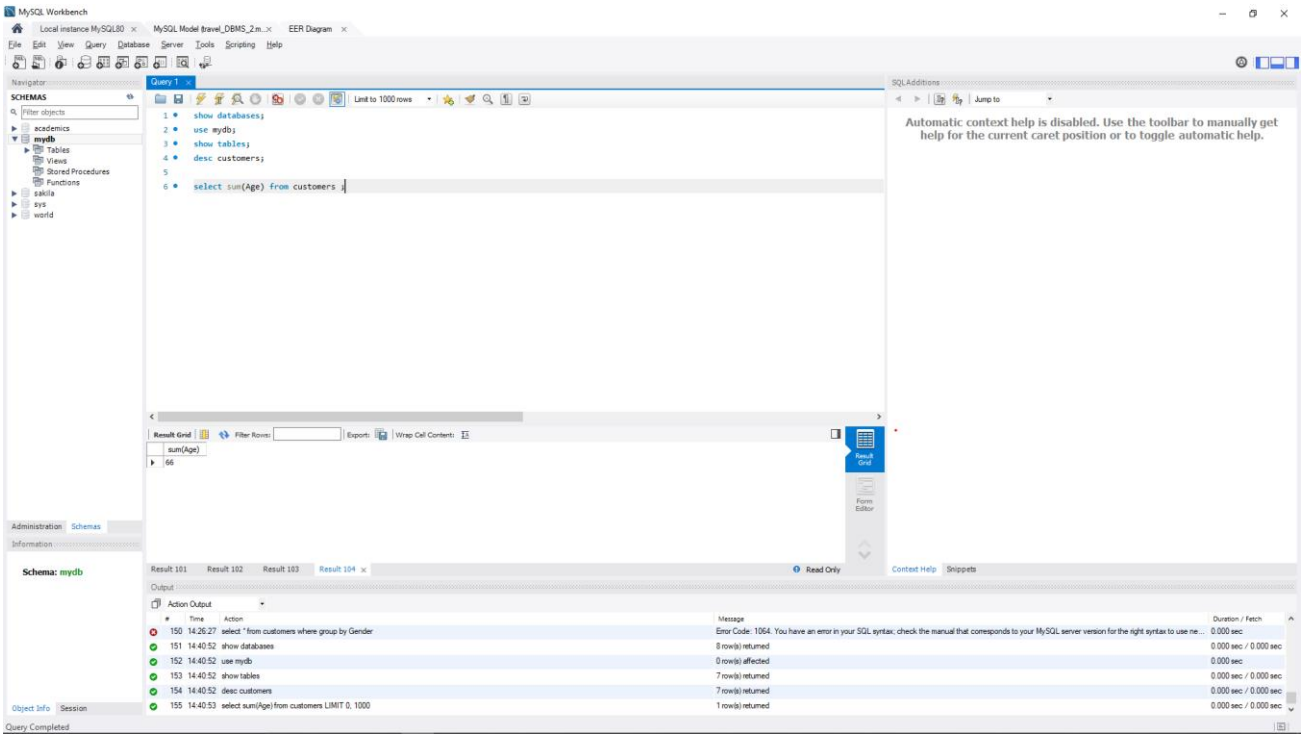
2. Group by and having:



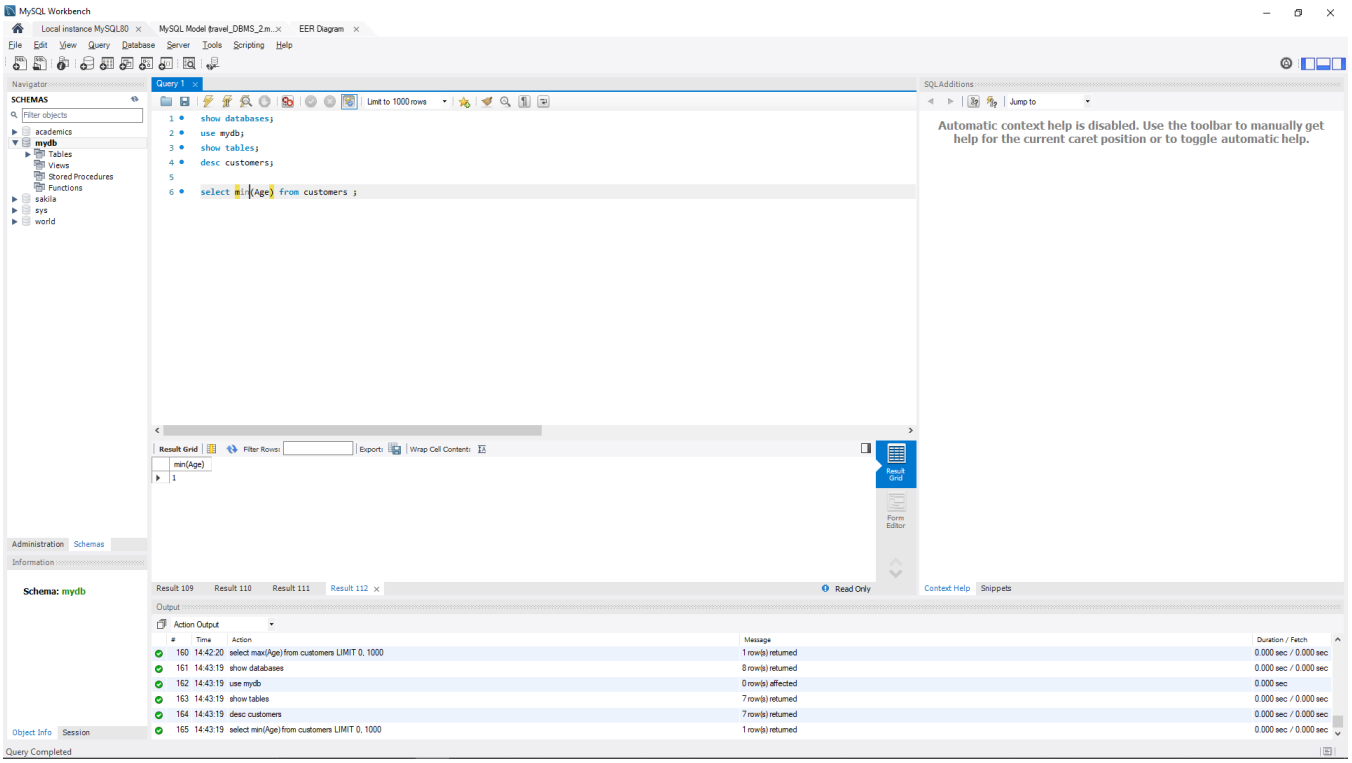


3. Aggregate functions:

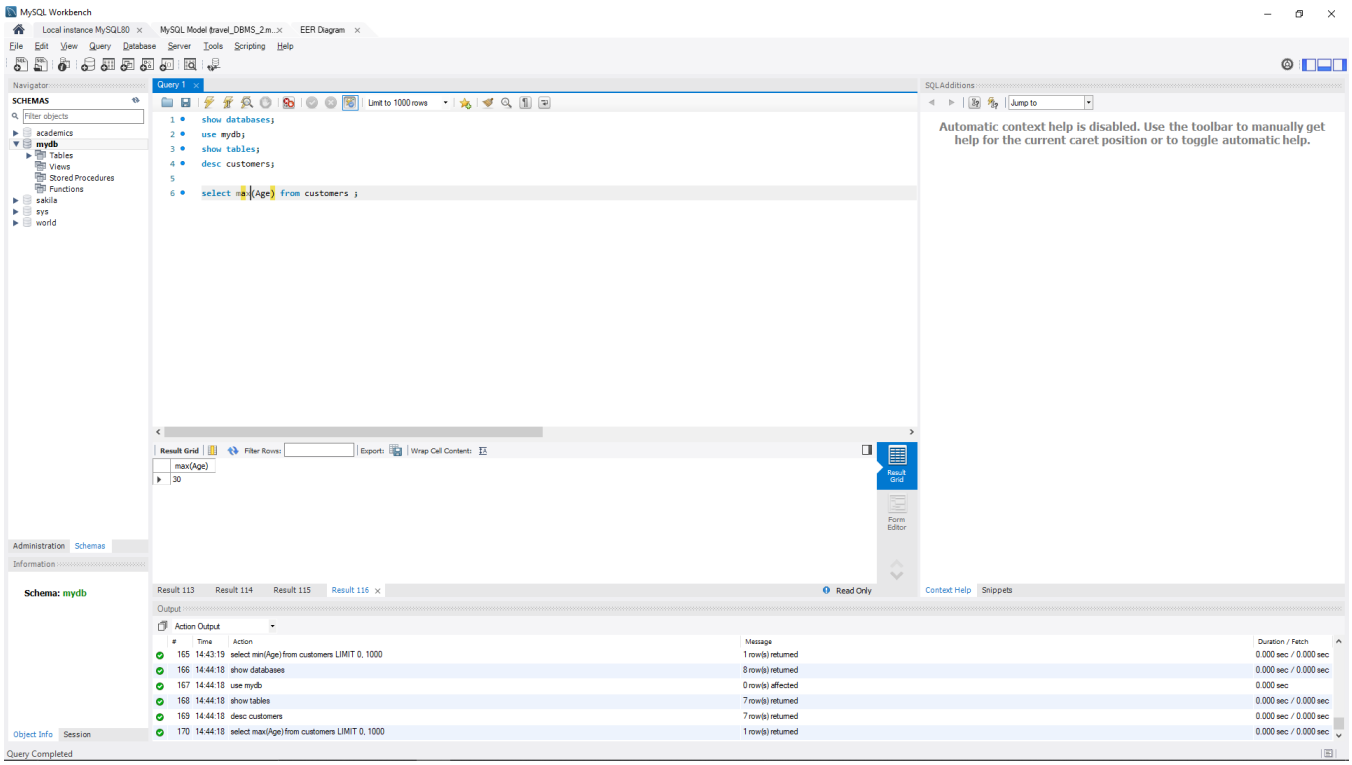
a) sum



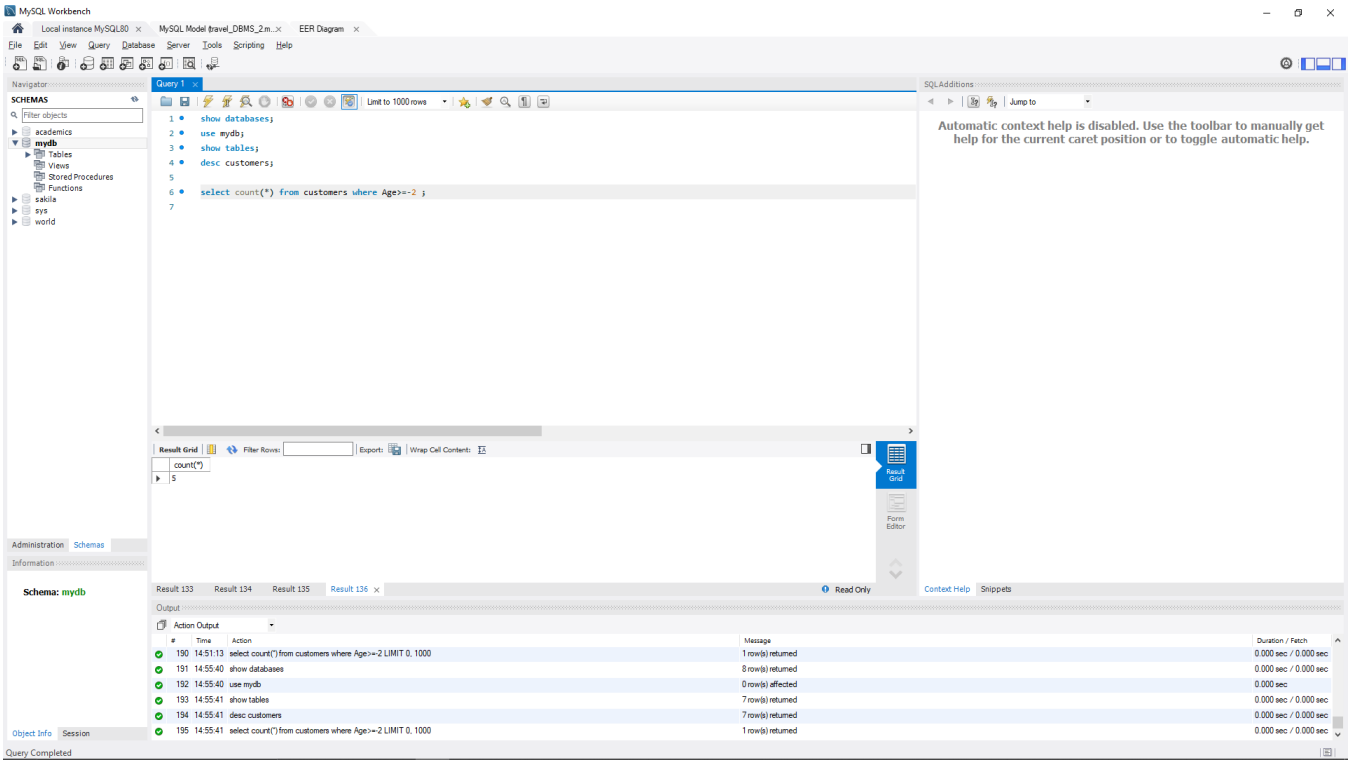
b) min



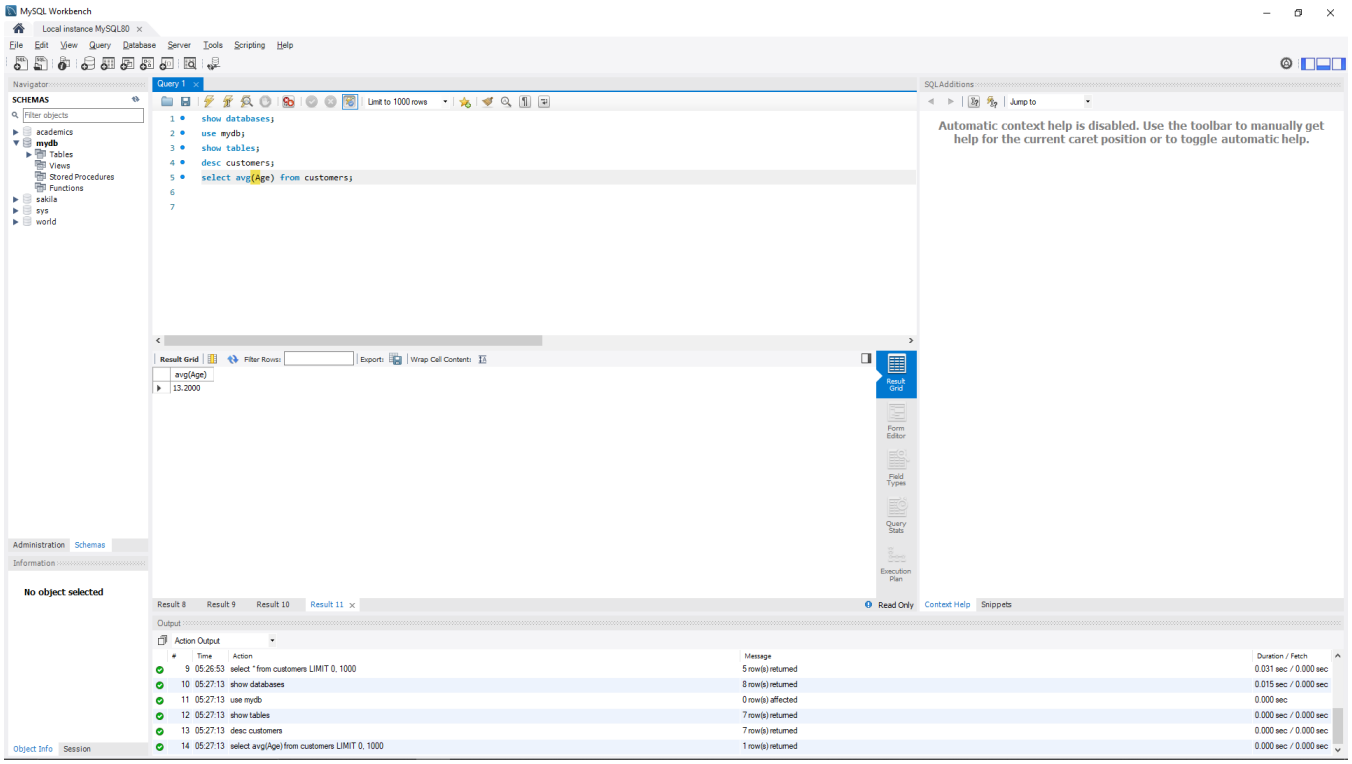
c) max


MySQL Workbench
Local instance MySQL80
MySQL Model (travel_DBMS_2m...
EER Diagram
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
academics
mydb
Tables
Views
Stored Procedures
Functions
sakila
sys
world
Query 1
Limit to 1000 rows
1 show databases;
2 use mydb;
3 show tables;
4 desc customers;
5
6 select max(Age) from customers ;
SQL Additions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
max(Age)
30
Result 113
Result 114
Result 115
Result 116
Read Only
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
165 14:43:19 select min(Age) from customers LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
166 14:44:18 show databases 8 row(s) returned 0.000 sec / 0.000 sec
167 14:44:18 use mydb 0 row(s) affected 0.000 sec
168 14:44:18 show tables 7 row(s) returned 0.000 sec / 0.000 sec
169 14:44:18 desc customers 7 row(s) returned 0.000 sec / 0.000 sec
170 14:44:18 select max(Age) from customers LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
Administration Schemas
Information
Schema: mydb
Object Info Session
Query Completed

d) Count

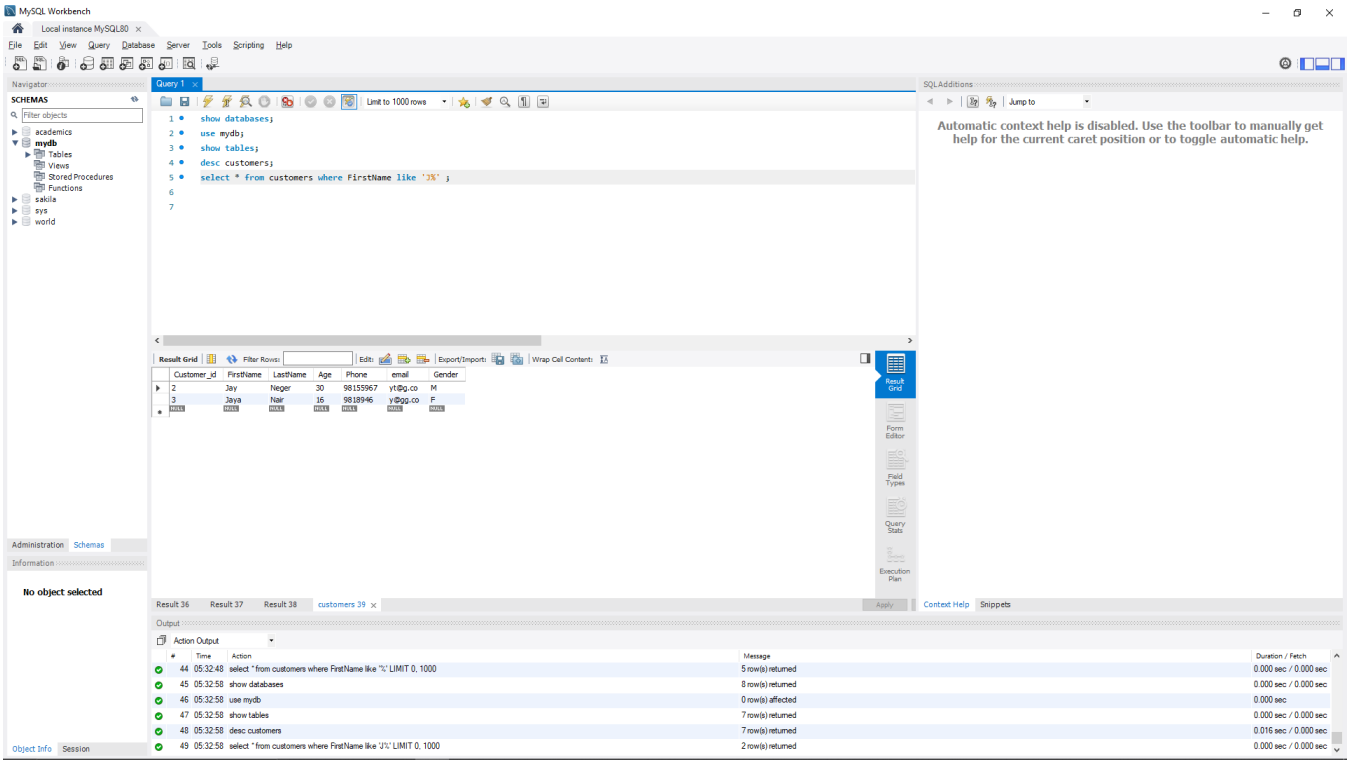

MySQL Workbench
Local instance MySQL80
MySQL Model (travel_DBMS_2m...
EER Diagram
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
academics
mydb
Tables
Views
Stored Procedures
Functions
sakila
sys
world
Query 1
Limit to 1000 rows
1 show databases;
2 use mydb;
3 show tables;
4 desc customers;
5
6 select count(*) from customers where Age>=-2 ;
7
SQL Additions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
count(*)
5
Result 133
Result 134
Result 135
Result 136
Read Only
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
190 14:51:13 select count(*) from customers where Age>=-2 LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
191 14:55:40 show databases 8 row(s) returned 0.000 sec / 0.000 sec
192 14:55:40 use mydb 0 row(s) affected 0.000 sec
193 14:55:41 show tables 7 row(s) returned 0.000 sec / 0.000 sec
194 14:55:41 desc customers 7 row(s) returned 0.000 sec / 0.000 sec
195 14:55:41 select count(*) from customers where Age>=-2 LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
Administration Schemas
Information
Schema: mydb
Object Info Session
Query Completed

e) Average

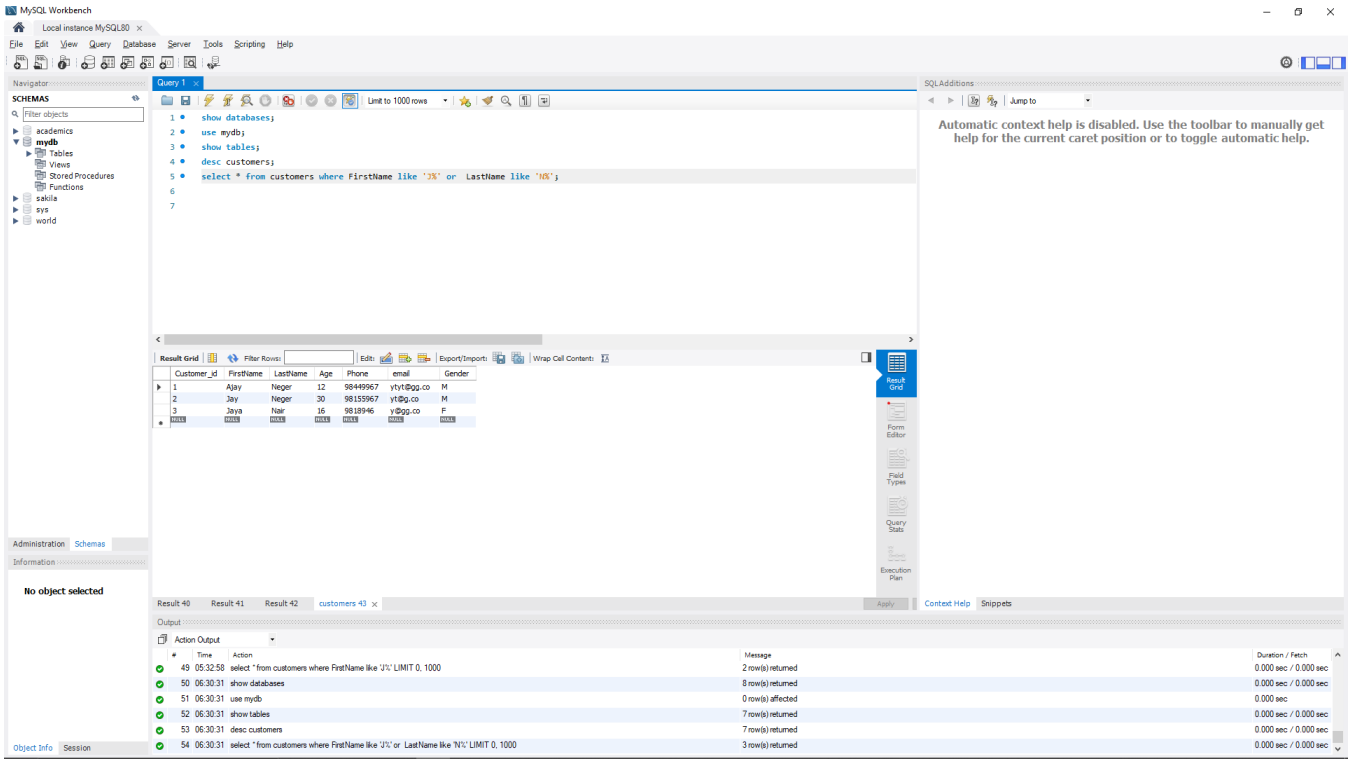


4. Logical operators especially with LIKE

a)



b)


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
academics
mydb
Tables
Views
Stored Procedures
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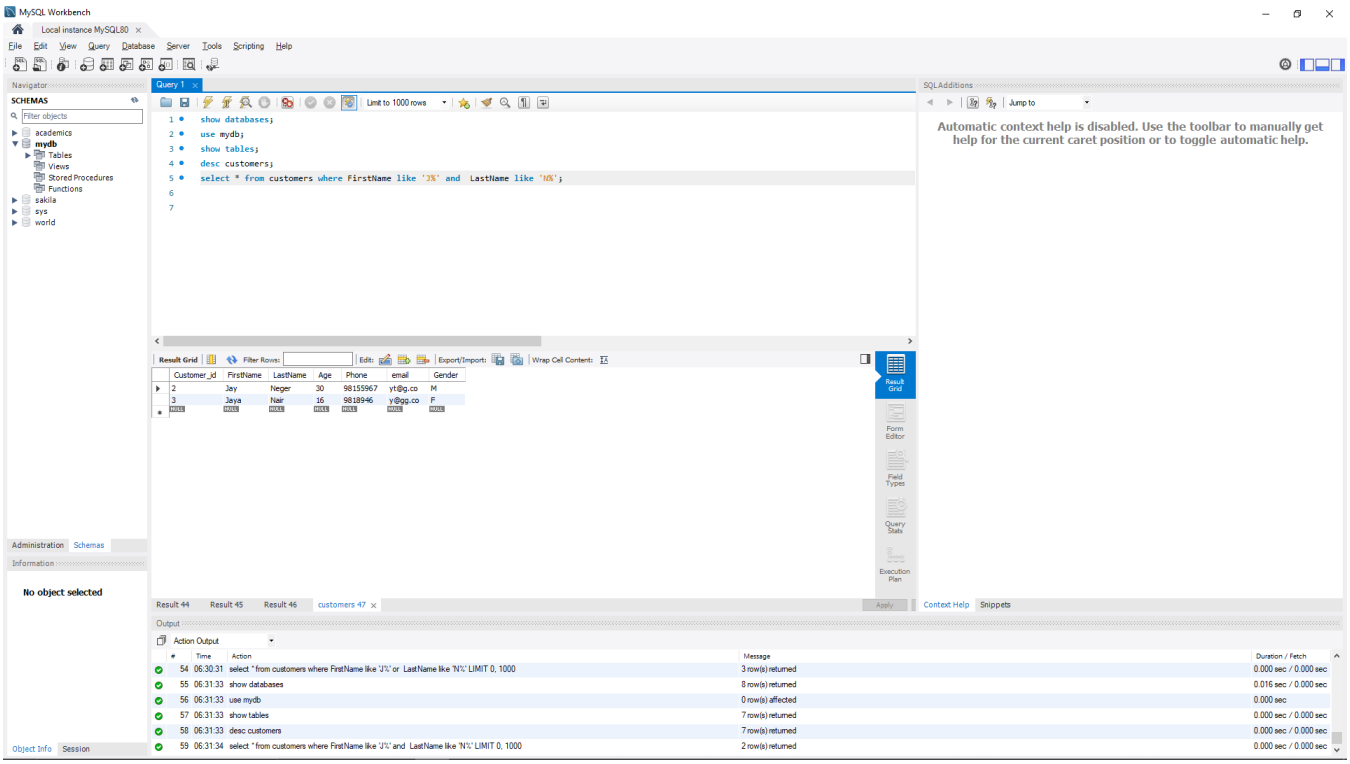
sakila
sys
world
Query 1
Limit to 1000 rows
1 show databases;
2 use mydb;
3 show tables;
4 desc customers;
5 select * from customers where FirstName like 'J%' or LastName like 'N%';
Result Grid
Customer_id FirstName LastName Age Phone email Gender
1 Ajay Neger 12 98449967 ytyt@gg.co M
2 Jay Neger 30 98155967 yt@g.co M
3 Jaya Nair 16 9818946 y@gg.co F
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Administration Schemas
Information
No object selected
Object Info Session
Result 40 Result 41 Result 42 customers 43
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
49 05:32:58 select * from customers where FirstName like 'J%' LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec
50 06:30:31 show databases 8 row(s) returned 0.000 sec / 0.000 sec
51 06:30:31 use mydb 0 row(s) affected 0.000 sec
52 06:30:31 show tables 7 row(s) returned 0.000 sec / 0.000 sec
53 06:30:31 desc customers 7 row(s) returned 0.000 sec / 0.000 sec
54 06:30:31 select * from customers where FirstName like 'J%' or LastName like 'N%' LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec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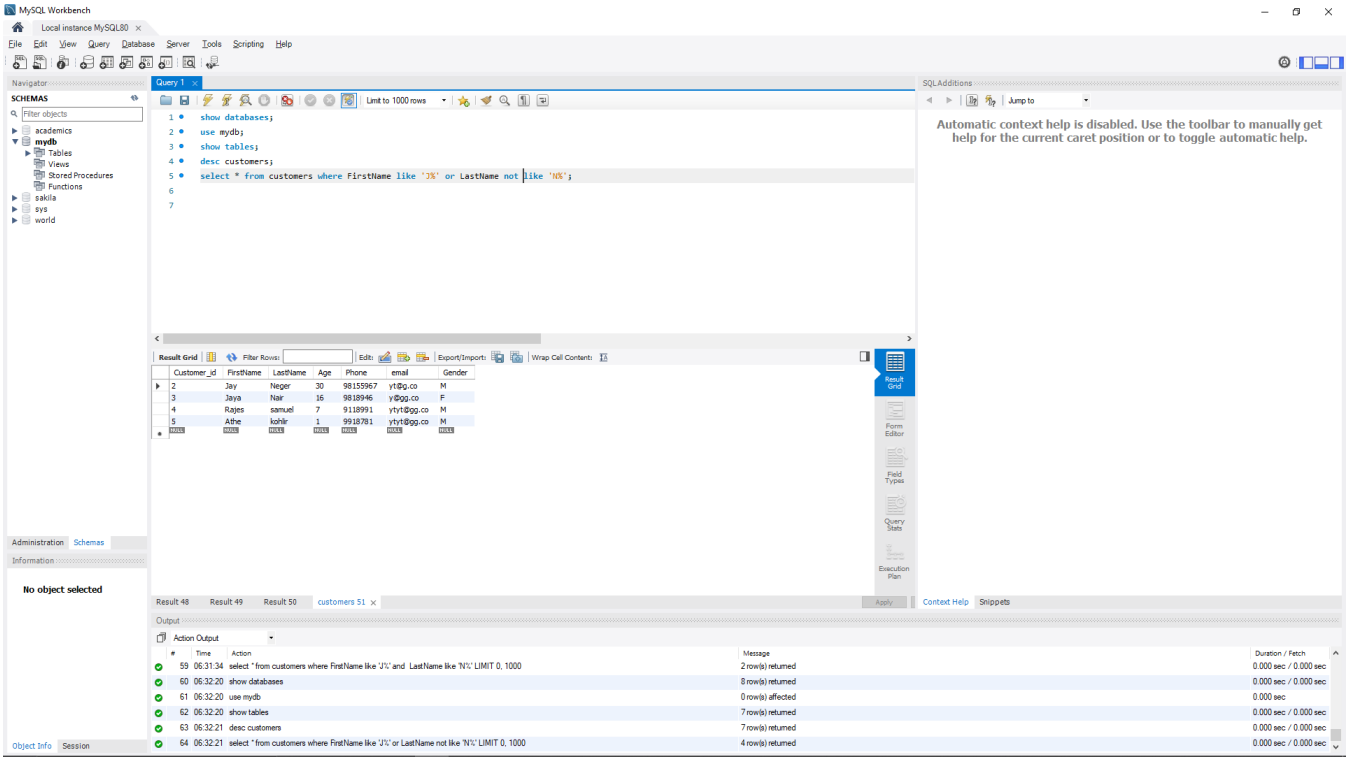
world
Query 1
Limit to 1000 rows
1 show databases;
2 use mydb;
3 show tables;
4 desc customers;
5 select * from customers where FirstName like 'J%' and LastName like 'N%';
Result Grid
Customer_id FirstName LastName Age Phone email Gender
2 Jay Neger 30 98155967 yt@g.co M
3 Jaya Nair 16 9818946 y@gg.co F
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Administration Schemas
Information
No object selected
Object Info Session
Result 44 Result 45 Result 46 customers 47
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
54 06:30:31 select * from customers where FirstName like 'J%' or LastName like 'N%' LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
55 06:31:33 show databases 8 row(s) returned 0.016 sec / 0.000 sec
56 06:31:33 use mydb 0 row(s) affected 0.000 sec
57 06:31:33 show tables 7 row(s) returned 0.000 sec / 0.000 sec
58 06:31:33 desc customers 7 row(s) returned 0.000 sec / 0.000 sec
59 06:31:34 select * from customers where FirstName like 'J%' and LastName like 'N%' LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec

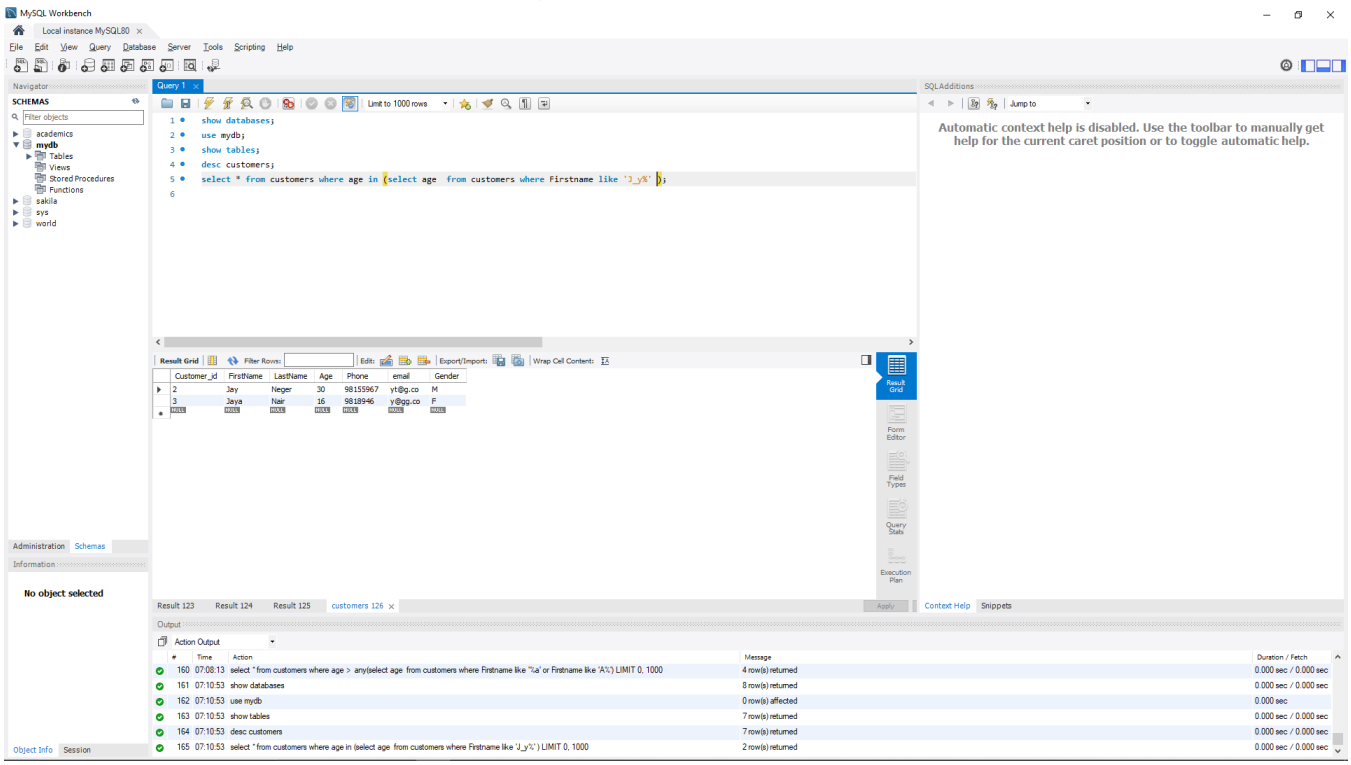
c)



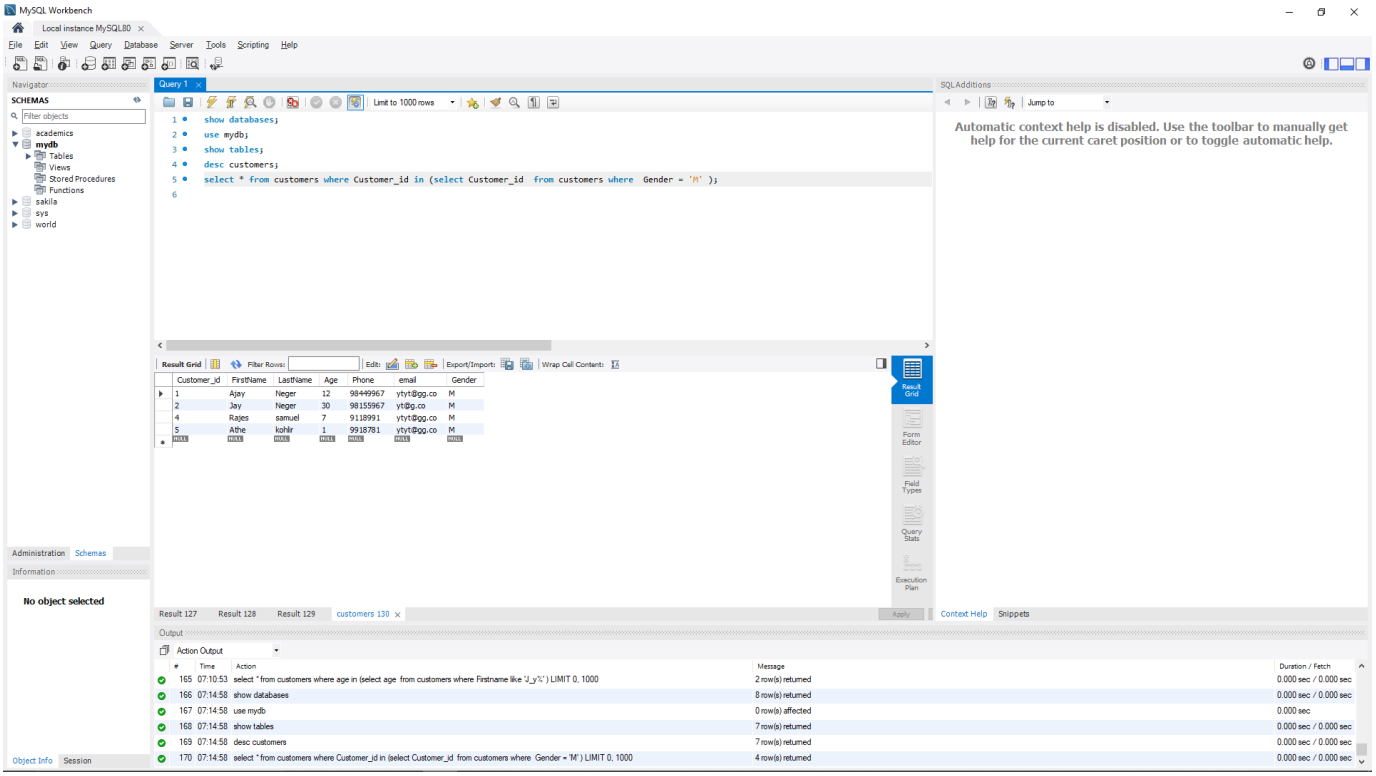
d)

5. At least 4 Nested queries specific to your Database, out of which at least 2 should have multiple subqueries.

a)



b)


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
SCHEMAS
academics
mydb
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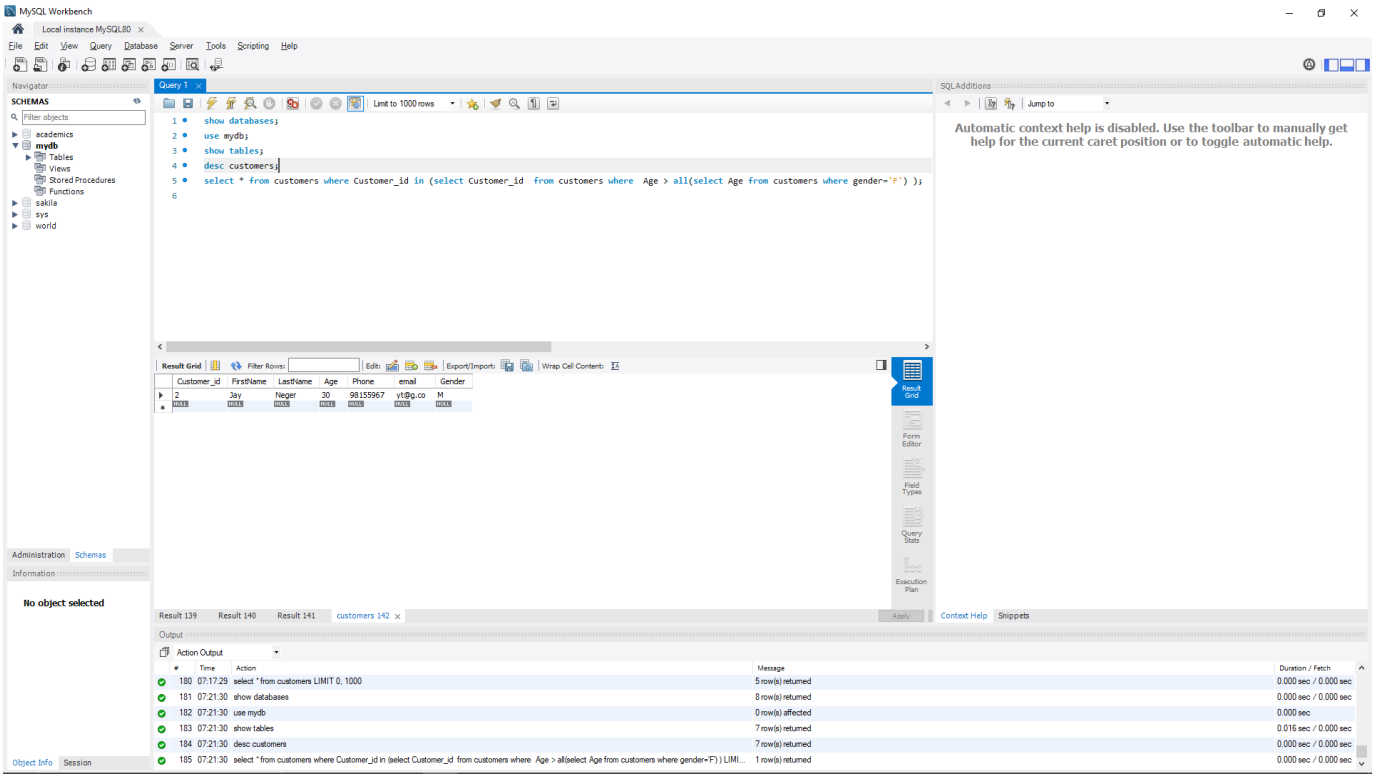
Stored Procedures
Functions
sakila
sys
world
Query 1
show databases;
use mydb;
show tables;
desc customers;
select * from customers where Customer_id in (select Customer_id from customers where Gender = 'M');
Result Grid
Customer_id FirstName LastName Age Phone email Gender
1 Ajay Neger 12 98449967 ytyt@gg.co M
2 Jay Neger 30 98155967 yt@g.co M
4 Rajes samuel 7 9118991 ytyt@gg.co M
5 Athe kohlir 1 9918781 ytyt@gg.co M
SQLAdditions
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
No object selected
Output
Action Output
165 07:10:53 select * from customers where age in (select age from customers where Firstname like 'J_y%') LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec
166 07:14:58 show databases 8 row(s) returned 0.000 sec / 0.000 sec
167 07:14:58 use mydb 0 row(s) affected 0.000 sec
168 07:14:58 show tables 7 row(s) returned 0.000 sec / 0.000 sec
169 07:14:58 desc customers 7 row(s) returned 0.000 sec / 0.000 sec
170 07:14:58 select * from customers where Customer_id in (select Customer_id from customers where Gender = 'M') LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec

c)


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
SCHEMAS
academics
mydb
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Views
Stored Procedures
Functions
sakila
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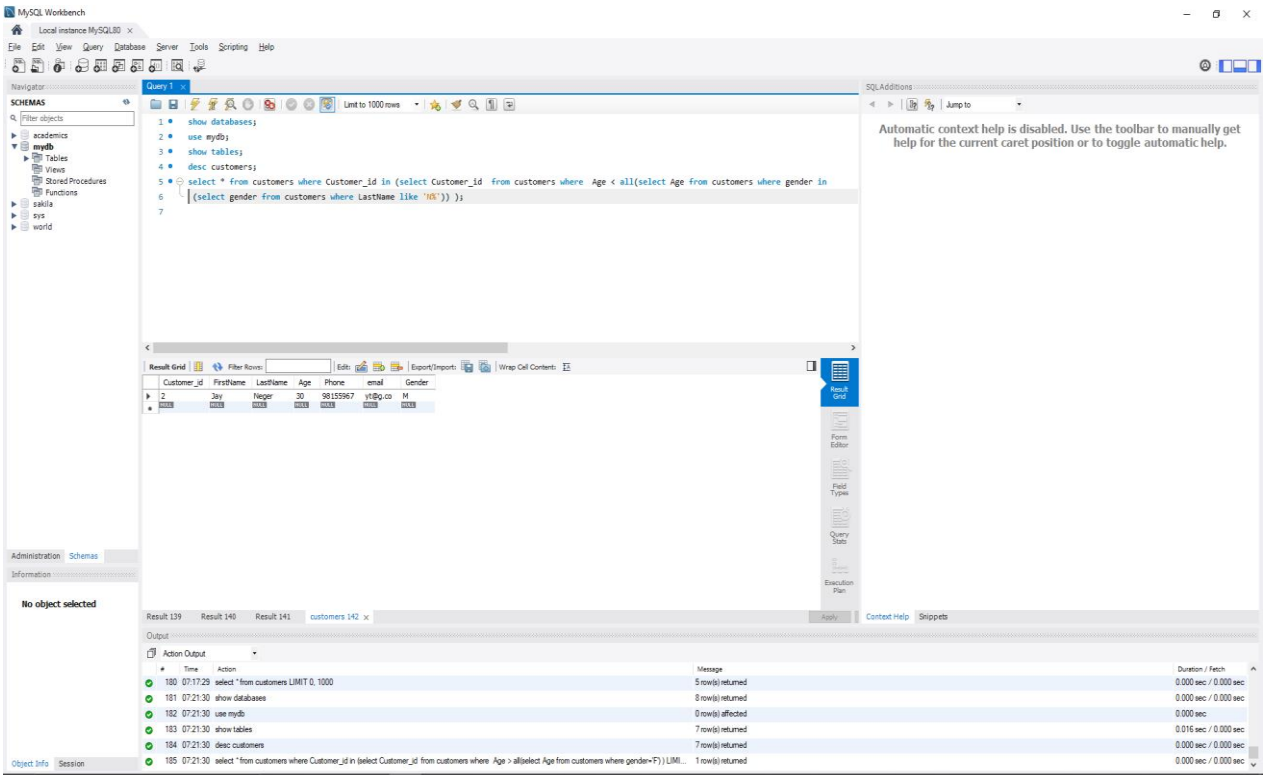
world
Query 1
show databases;
use mydb;
show tables;
desc customers;
select * from customers where Customer_id in (select Customer_id from customers where Age > all(select Age from customers where gender='F'));
Result Grid
Customer_id FirstName LastName Age Phone email Gender
2 Jay Neger 30 98155967 yt@g.co M
SQLAdditions
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
No object selected
Output
Action Output
180 07:17:29 select * from customers LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
181 07:21:30 show databases 8 row(s) returned 0.000 sec / 0.000 sec
182 07:21:30 use mydb 0 row(s) affected 0.000 sec
183 07:21:30 show tables 7 row(s) returned 0.016 sec / 0.000 sec
184 07:21:30 desc customers 7 row(s) returned 0.000 sec / 0.000 sec
185 07:21:30 select * from customers where Customer_id in (select Customer_id from customers where Age > all(select Age from customers where gender='F')) LIMI... 1 row(s) returned 0.000 sec / 0.000 sec

d)


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
academics
mydb
Tables
Views
Stored Procedures
Functions
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sys
world
Query 1
Limit to 1000 rows
1 show databases;
2 use mydb;
3 show tables;
4 desc customers;
5 select * from customers where Customer_id in (select Customer_id from customers where Age < all(select Age from customers where gender in
6 (select gender from customers where LastName like 'G%')));
7
SQL Additions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
Customer_id FirstName LastName Age Phone email Gender
2 Jay Neger 30 9815596 yt@g.co M
Result Grid
Form Editor
Field Types
Query Stats
Execution Plan
Administration Schemas
Information
No object selected
Object Info Session
Result 139 Result 140 Result 141 customers 142
Apply
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
180 07:17:29 select * from customers LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
181 07:21:30 show databases 8 row(s) returned 0.000 sec / 0.000 sec
182 07:21:30 use mydb 0 row(s) affected 0.000 sec
183 07:21:30 show tables 7 row(s) returned 0.016 sec / 0.000 sec
184 07:21:30 desc customers 7 row(s) returned 0.000 sec / 0.000 sec
185 07:21:30 select * from customers where Customer_id in (select Customer_id from customers where Age > all(select Age from customers where gender='F')) LIMI... 1 row(s) returned 0.000 sec / 0.000 sec