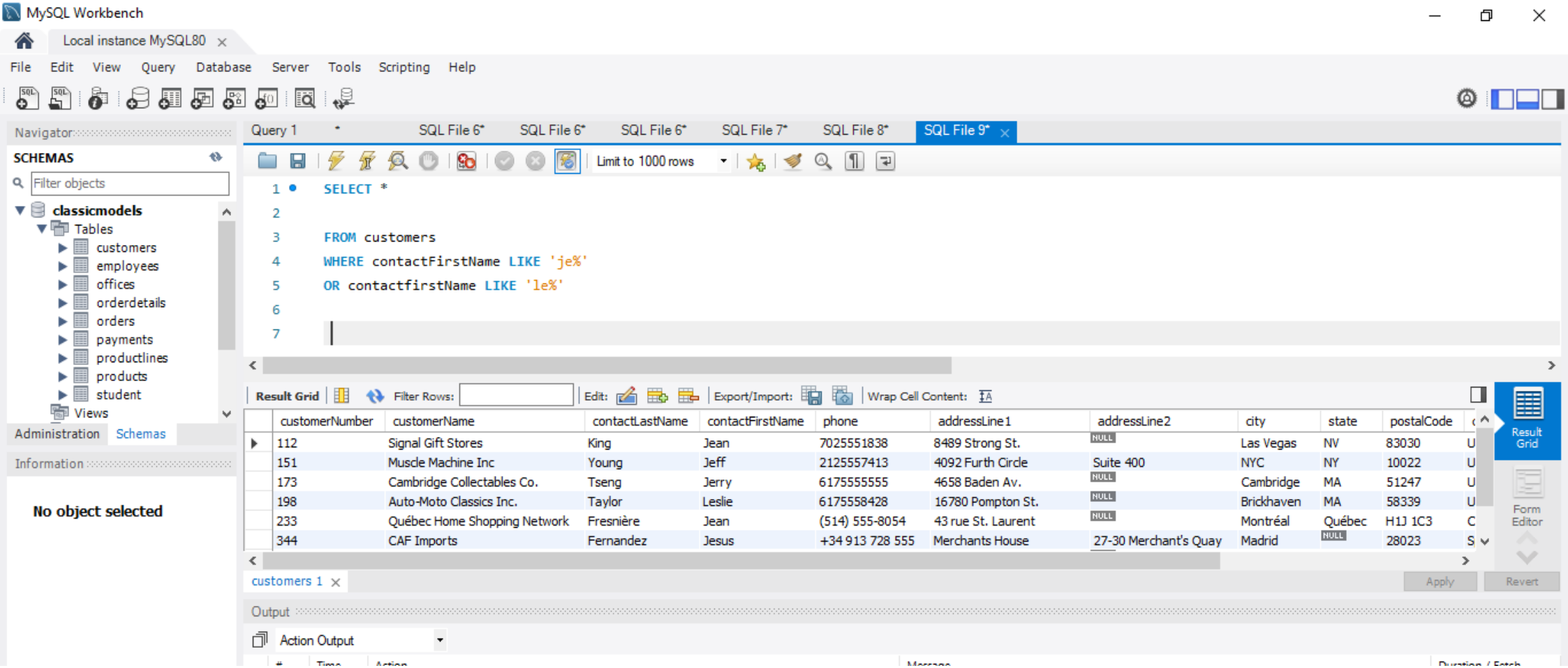
Name: Walaa Yahia

Id: 4211183

Groub: A

Write a small research about REGEXP :

MySQL supports another type of pattern matching operation based on the regular expressions and the REGEXP operator. It provide a powerful and flexible pattern match that can help us implement power search utilities for our database systems. REGEXP is the operator used when performing regular expression pattern matches. RLIKE is the synonym. It also supports a number of metacharacters which allow more flexibility and control when performing pattern matching. The backslash is used as an escape character. It's only considered in the pattern match if double backslashes have used. Not case sensitive .


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
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Tables
customers
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orderdetails
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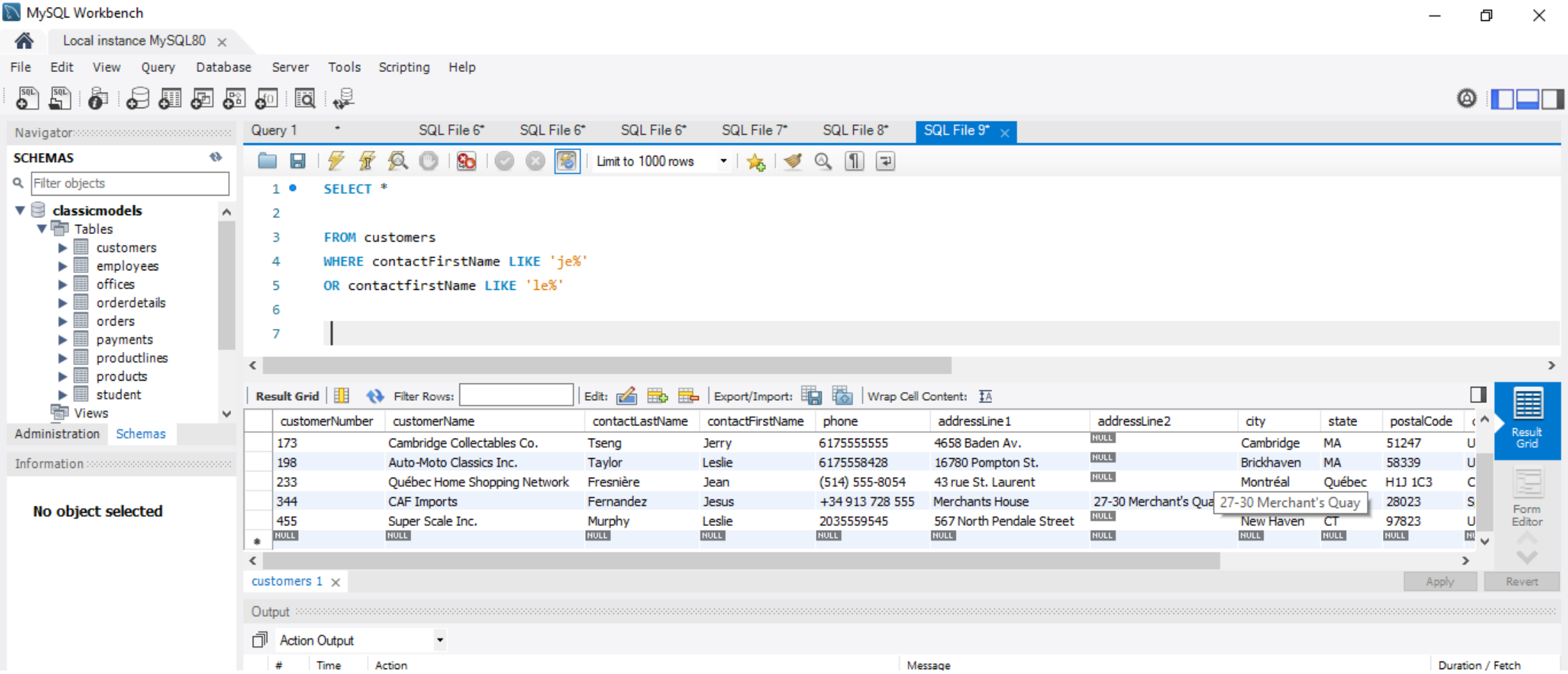
Views
Administration Schemas
Information
No object selected
Query 1 SQL File 6* SQL File 6* SQL File 6* SQL File 7* SQL File 8* SQL File 9*
Limit to 1000 rows
1 SELECT *
2
3 FROM customers
4 WHERE contactFirstName LIKE 'je%'
5 OR contactfirstName LIKE 'le%'
6
7
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
customerNumber customerName contactLastName contactFirstName phone addressLine1 addressLine2 city state postalCode
112 Signal Gift Stores King Jean 7025551838 8489 Strong St. NULL Las Vegas NV 83030
151 Muscle Machine Inc Young Jeff 2125557413 4092 Furth Circle Suite 400 NYC NY 10022
173 Cambridge Collectables Co. Tseng Jerry 6175555555 4658 Baden Av. NULL Cambridge MA 51247
198 Auto-Moto Classics Inc. Taylor Leslie 6175558428 16780 Pompton St. NULL Brickhaven MA 58339
233 Québec Home Shopping Network Fresnière Jean (514) 555-8054 43 rue St. Laurent NULL Montréal Québec H1J 1C3
344 CAF Imports Fernandez Jesus +34 913 728 555 Merchants House 27-30 Merchant's Quay Madrid NULL 28023
Result Grid
Form Editor
customers 1
Apply Revert
Output
Action Output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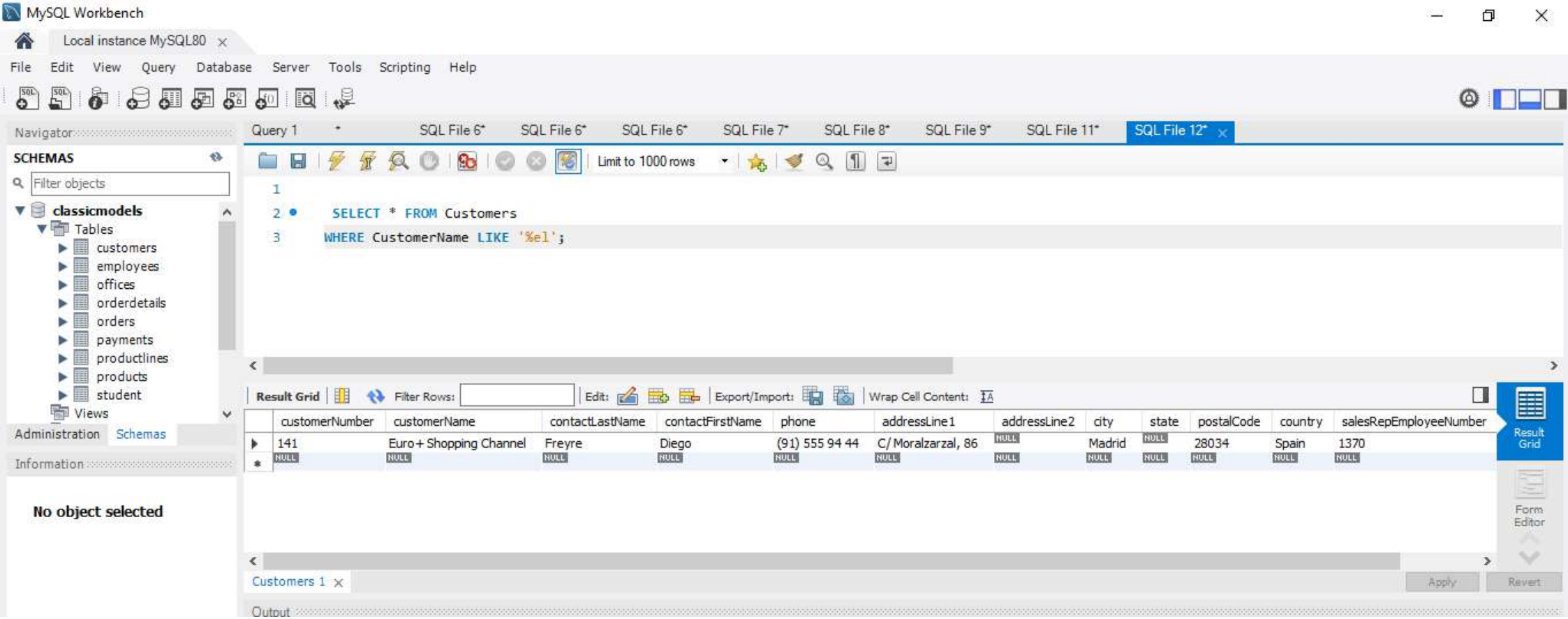
198 Auto-Moto Classics Inc. Taylor Leslie 6175558428 16780 Pompton St. NULL Brickhaven MA 58339
233 Québec Home Shopping Network Fresnière Jean (514) 555-8054 43 rue St. Laurent NULL Montréal Québec H1J 1C3
344 CAF Imports Fernandez Jesus +34 913 728 555 Merchants House 27-30 Merchant's Qua 27-30 Merchant's Quay 28023
455 Super Scale Inc. Murphy Leslie 2035559545 567 North Pendale Street NULL New Haven CT 97823
Result Grid
Form Editor
customers 1
Apply Revert
Output
Action Output
Time Action Message Duration / Fetch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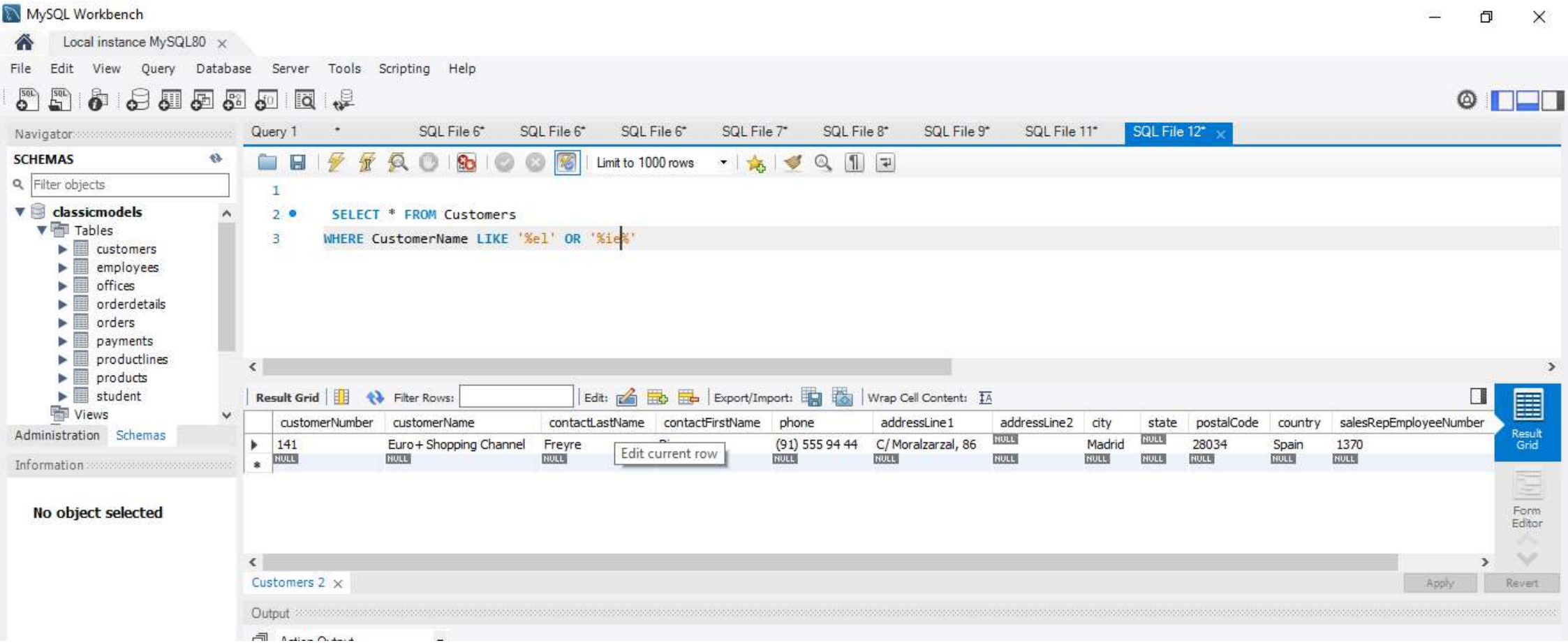
student
Views
Administration Schemas
Information
No object selected
Query 1 * SQL File 6* SQL File 6* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 11* SQL File 12*
Limit to 1000 rows
1
2 SELECT * FROM Customers
3 WHERE CustomerName LIKE '%el';
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
customerNumber customerName contactLastName contactFirstName phone addressLine1 addressLine2 city state postalCode country salesRepEmployeeNumber
141 Euro+ Shopping Channel Freyre Diego (91) 555 94 44 C/ Moralzarzal, 86 NULL Madrid NULL 28034 Spain 1370
NULL NULL NULL NULL NULL NULL NULL NULL NULL NULL NULL NULL
Result Grid
Form Editor
Customers 1
Apply
Revert
Output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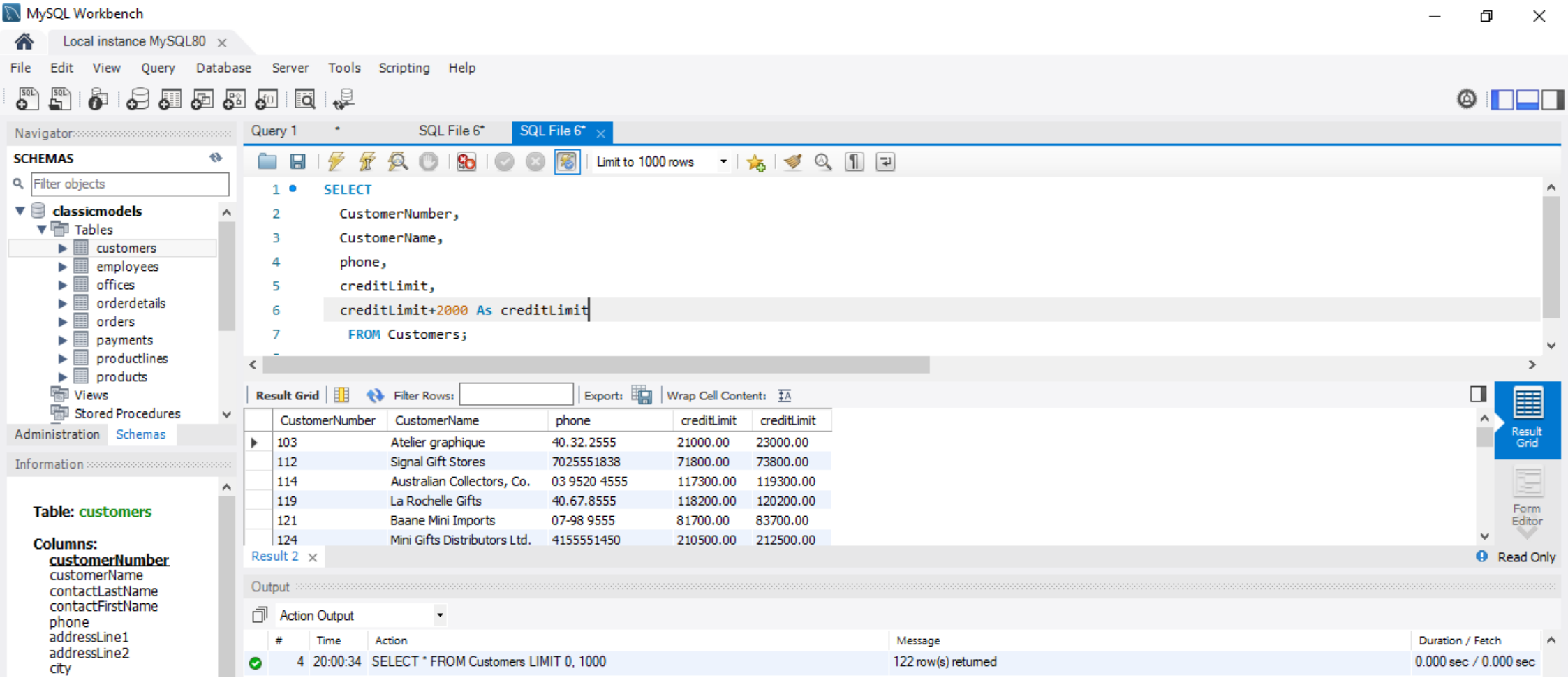
Administration Schemas
Information
No object selected
Query 1 SQL File 6* SQL File 6* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 11* SQL File 12*
Limit to 1000 rows
1
2 SELECT * FROM Customers
3 WHERE CustomerName LIKE '%el' OR '%ie%'
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
customerNumber customerName contactLastName contactFirstName phone addressLine1 addressLine2 city state postalCode country salesRepEmployeeNumber
141 Euro+ Shopping Channel Freyre (91) 555 94 44 C/ Moralzarzal, 86 NULL Madrid NULL 28034 Spain 1370
Edit current row
Result Grid
Form Editor
Customers 2
Apply Revert
Output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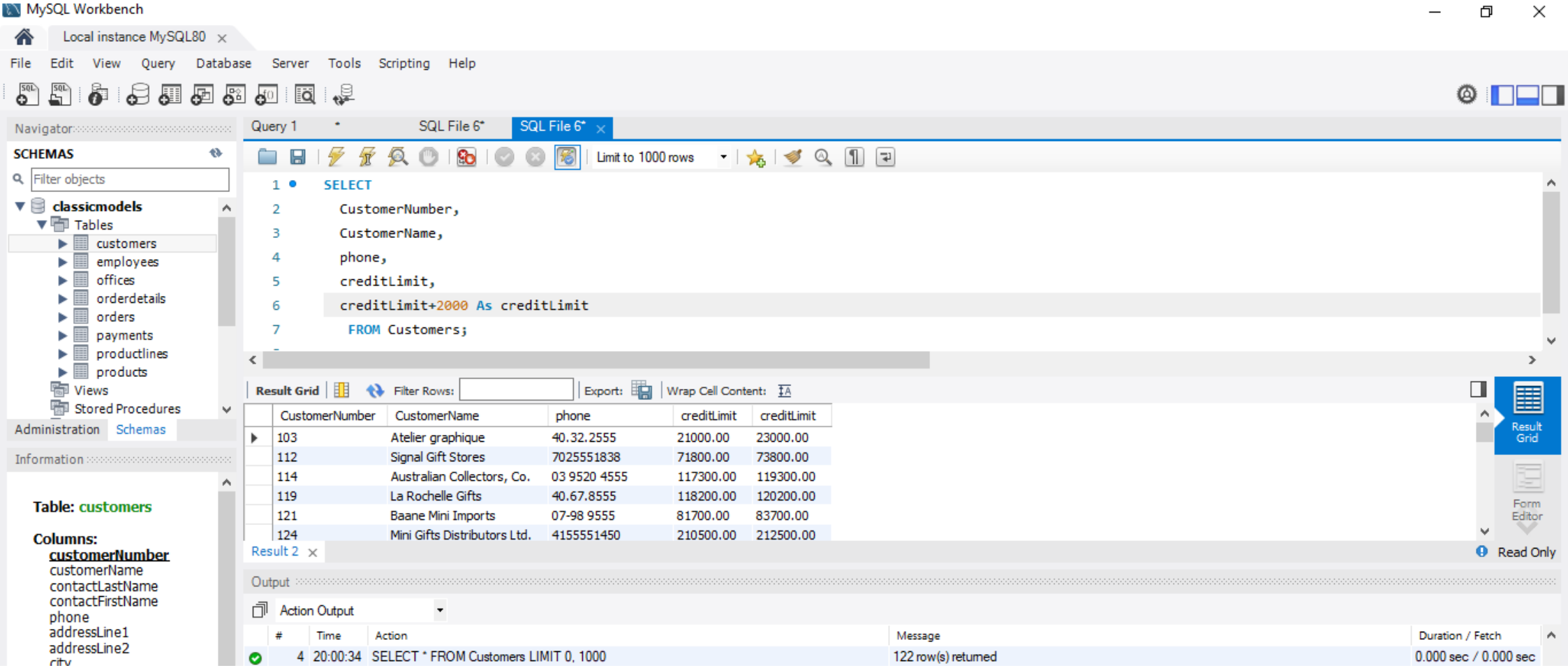
products
Views
Stored Procedures
Administration Schemas
Information
Table: customers
Columns:
customerNumber
customerName
contactLastName
contactFirstName
phone
addressLine1
addressLine2
city
Query 1
SQL File 6*
SQL File 6*
Limit to 1000 rows
1 SELECT
2 CustomerNumber,
3 CustomerName,
4 phone,
5 creditLimit,
6 creditLimit+2000 As creditLimit
7 FROM Customers;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
CustomerNumber CustomerName phone creditLimit creditLimit
103 Atelier graphique 40.32.2555 21000.00 23000.00
112 Signal Gift Stores 7025551838 71800.00 73800.00
114 Australian Collectors, Co. 03 9520 4555 117300.00 119300.00
119 La Rochelle Gifts 40.67.8555 118200.00 120200.00
121 Baane Mini Imports 07-98 9555 81700.00 83700.00
124 Mini Gifts Distributors Ltd. 4155551450 210500.00 212500.00
Result 2
Result Grid
Form Editor
Read Only
Output
Action Output
Time Action Message Duration / Fetch
4 20:00:34 SELECT * FROM Customers LIMIT 0, 1000 122 row(s) returned 0.000 sec / 0.000 sec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Columns:
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customerName
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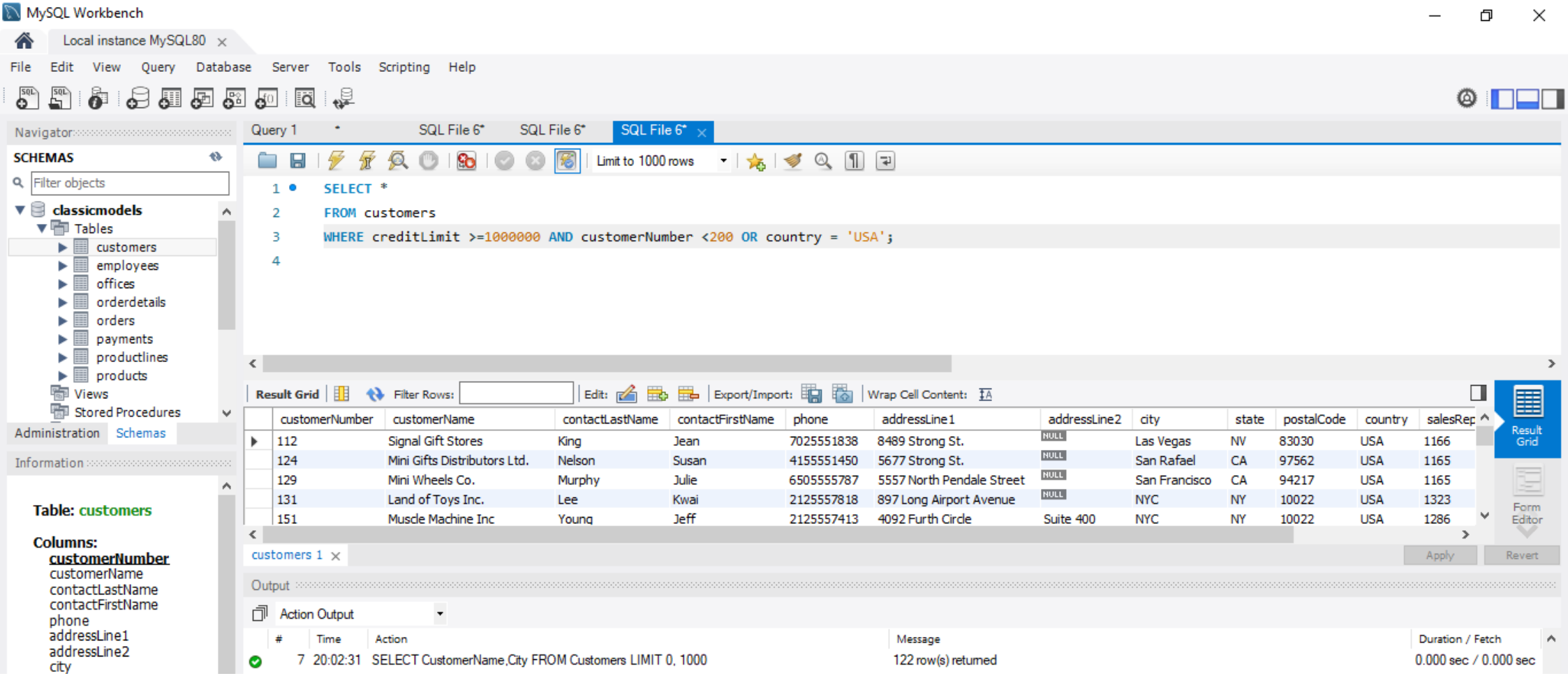
contactFirstName
phone
addressLine1
addressLine2
city
Query 1
SQL File 6*
SQL File 6*
Limit to 1000 rows
1 SELECT
2 CustomerNumber,
3 CustomerName,
4 phone,
5 creditLimit,
6 creditLimit+2000 As creditLimit
7 FROM Customers;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
CustomerNumber CustomerName phone creditLimit creditLimit
103 Atelier graphique 40.32.2555 21000.00 23000.00
112 Signal Gift Stores 7025551838 71800.00 73800.00
114 Australian Collectors, Co. 03 9520 4555 117300.00 119300.00
119 La Rochelle Gifts 40.67.8555 118200.00 120200.00
121 Baane Mini Imports 07-98 9555 81700.00 83700.00
124 Mini Gifts Distributors Ltd. 4155551450 210500.00 212500.00
Result 2
Result Grid
Form Editor
Read Only
Output
Action Output
Time Action Message Duration / Fetch
4 20:00:34 SELECT * FROM Customers LIMIT 0, 1000 122 row(s) returned 0.000 sec / 0.000 sec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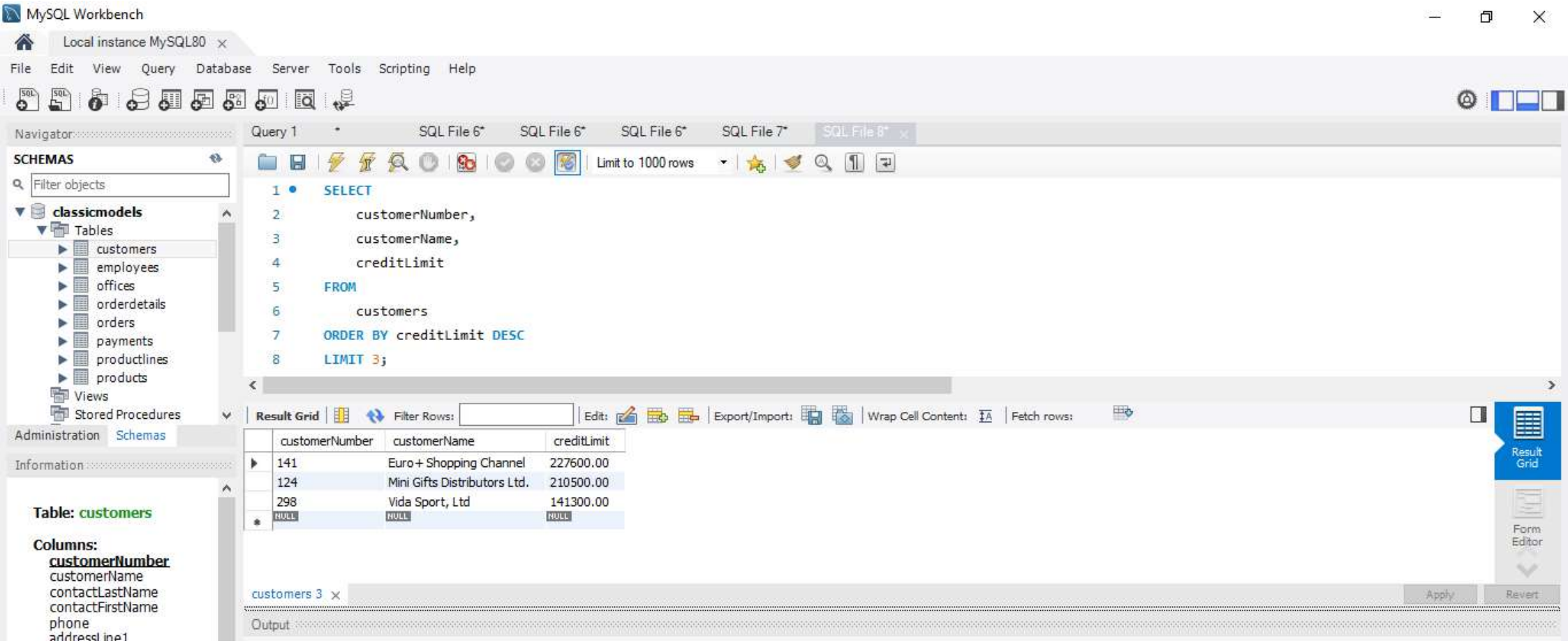
Views
Stored Procedures
Administration Schemas
Information
Table: customers
Columns:
customerNumber
customerName
contactLastName
contactFirstName
phone
addressLine1
addressLine2
city
Query 1 SQL File 6* SQL File 6* SQL File 6*
Limit to 1000 rows
1 SELECT *
2 FROM customers
3 WHERE creditLimit >=1000000 AND customerNumber <200 OR country = 'USA';
4
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
customerNumber customerName contactLastName contactFirstName phone addressLine1 addressLine2 city state postalCode country salesRep
112 Signal Gift Stores King Jean 7025551838 8489 Strong St. NULL Las Vegas NV 83030 USA 1166
124 Mini Gifts Distributors Ltd. Nelson Susan 4155551450 5677 Strong St. NULL San Rafael CA 97562 USA 1165
129 Mini Wheels Co. Murphy Julie 6505555787 5557 North Pendale Street NULL San Francisco CA 94217 USA 1165
131 Land of Toys Inc. Lee Kwai 2125557818 897 Long Airport Avenue NULL NYC NY 10022 USA 1323
151 Muscle Machine Inc Young Jeff 2125557413 4092 Furth Circle Suite 400 NYC NY 10022 USA 1286
Result Grid
Form Editor
customers 1
Apply Revert
Output
Action Output
Time Action Message Duration / Fetch
7 20:02:31 SELECT CustomerName,City FROM Customers LIMIT 0, 1000 122 row(s) returned 0.000 sec / 0.000 sec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Views
Stored Procedures
Administration Schemas
Information
Table: customers
Columns:
customerNumber
customerName
contactLastName
contactFirstName
phone
addressLine1
Query 1 SQL File 6* SQL File 6* SQL File 6* SQL File 7* SQL File 8*
Limit to 1000 rows
1 SELECT
2 customerNumber,
3 customerName,
4 creditLimit
5 FROM
6 customers
7 ORDER BY creditLimit DESC
8 LIMIT 3;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content: Fetch rows:
customerNumber customerName creditLimit
141 Euro+ Shopping Channel 227600.00
124 Mini Gifts Distributors Ltd. 210500.00
298 Vida Sport, Ltd 141300.00
NULL NULL NULL
Result Grid
Form Editor
customers 3
Apply Revert
Output