



Name\ Yousef Ahmed Kandeel

ID\ 4211035

Subgroup\ B2

1-Get all customers with creditLimit more than or equal to 1000000 and customerNumber less than 200 or country is USA.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with 'classicmodels' selected. The main query editor contains the following SQL query:

```
1 SELECT * FROM classicmodels.customers
2 WHERE creditLimit >=1000000 AND customerNumber <200 OR country="USA";
```

The 'Result Grid' shows the following data:

| customerNumber | customerName | contactLastName | contactFirstName | phone | addressLine1 | addressLine2 | city | state | postalCode |
|----------------|------------------------------|-----------------|------------------|------------|---------------------------|--------------|---------------|-------|------------|
| 112 | Signal Gift Stores | King | Jean | 7025551838 | 8489 Strong St. | | Las Vegas | NV | 83030 |
| 124 | Mini Gifts Distributors Ltd. | Nelson | Susan | 4155551450 | 5677 Strong St. | | San Rafael | CA | 97562 |
| 129 | Mini Wheels Co. | Murphy | Julie | 6505555787 | 5557 North Pendale Street | | San Francisco | CA | 94217 |
| 131 | Land of Toys Inc. | Lee | Knai | 2125557818 | 897 Long Airport Avenue | | NYC | NY | 10022 |
| 151 | Muscle Machine Inc. | Young | Jeff | 2125557413 | 4092 Furth Circle | Suite 400 | NYC | NY | 10022 |
| 157 | Discoet Classics Inc. | Leong | Kelvin | 2155551555 | 7586 Pompton St. | | Allentown | PA | 70267 |
| 161 | Technics Stores Inc. | Hashimoto | Juri | 6505556809 | 9408 Furth Circle | | Burlingame | CA | 94217 |
| 168 | American Souvenirs Inc | Franco | Keith | 2035557845 | 149 Spinnaker Dr. | Suite 101 | New Haven | CT | 97823 |
| 173 | Cambridge Collectables Co. | Tseng | Jerry | 6175555555 | 4658 Baden Av. | | Cambridge | MA | 51247 |
| 175 | Gift Depot Inc. | King | Julie | 2035552570 | 25593 South Bay Ln. | | Bridgewater | CT | 97562 |
| 181 | Vitachrome Inc. | Frick | Michael | 2125551500 | 2678 Kingston Rd. | Suite 101 | NYC | NY | 10022 |
| 198 | Auto-Moto Classics Inc. | Taylor | Leslie | 6175558428 | 16780 Pompton St. | | Bridghaven | MA | 58339 |
| 204 | Online Mini Collectables | Barajas | Miguel | 6175557555 | 7635 Spinnaker Dr. | | Bridghaven | MA | 58339 |
| 205 | Toys4GrownUps.com | Young | Julie | 6265557265 | 78934 Hillade Dr. | | Pasadena | CA | 90003 |

The bottom panel shows the 'Action Output' with the following log:

| # | Time | Action | Message | Duration / Fetch |
|----|----------|---|---------------------|-----------------------|
| 25 | 15:46:20 | SELECT * FROM classicmodels customers LIMIT 0, 1000 | 122 row(s) returned | 0.000 sec / 0.000 sec |
| 26 | 15:46:44 | SELECT * FROM classicmodels customers WHERE creditLimit >=1000000 LIMIT 0, 1000 | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 27 | 15:47:19 | SELECT * FROM classicmodels customers WHERE country="USA" LIMIT 0, 1000 | 36 row(s) returned | 0.000 sec / 0.000 sec |
| 28 | 15:48:36 | SELECT * FROM classicmodels customers WHERE creditLimit >=1000000 AND customerNumber <200 OR c... | 36 row(s) returned | 0.000 sec / 0.000 sec |

2-Get all customers and calculate new_credit column (creditLimit + 2000) order the query by new_credit DESC.

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 * SELECT creditLimit, creditLimit + 2000 AS new_creditLimit
2 FROM classicmodels.customers;
3
```

The Results tab displays the output of the query in a grid format:

| creditLimit | new_creditLimit |
|-------------|-----------------|
| 21000.00 | 23000.00 |
| 71800.00 | 73800.00 |
| 117300.00 | 119300.00 |
| 118200.00 | 120200.00 |
| 81700.00 | 83700.00 |
| 210500.00 | 212500.00 |
| 0.00 | 2000.00 |
| 59700.00 | 61700.00 |
| 64600.00 | 66600.00 |
| 114900.00 | 116900.00 |
| 227600.00 | 229600.00 |
| 53100.00 | 55100.00 |
| 83400.00 | 85400.00 |
| 123900.00 | 125900.00 |
| 103800.00 | 105800.00 |

The bottom pane shows the Action Output tab with the following log entries:

| # | Time | Action | Message | Duration / Fetch |
|----|----------|--|--|-----------------------|
| 29 | 16:13:44 | SELECT * FROM classicmodels.customers LIMIT 0, 1000 | 122 row(s) returned | 0.000 sec / 0.000 sec |
| 30 | 16:16:53 | SELECT * FROM creditLimit, creditLimit + 2000 AS new_creditLimit | Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL... | 0.000 sec |
| 31 | 16:17:55 | SELECT creditLimit, creditLimit + 2000 AS creditLimit FROM classicmodels.customers LIMIT 0, 1000 | 122 row(s) returned | 0.000 sec / 0.000 sec |
| 32 | 16:18:07 | SELECT creditLimit, creditLimit + 2000 AS new_creditLimit FROM classicmodels.customers LIMIT 0, 1000 | 122 row(s) returned | 0.000 sec / 0.000 sec |

3-Get 3 customers that have the highest creditLimit.

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 SELECT creditLimit
2 FROM classicmodels.customers
3 ORDER BY creditLimit DESC;
4
```

The Results tab displays the output of the query in a grid format:

| creditLimit |
|-------------|
| 227600.00 |
| 210500.00 |
| 141500.00 |
| 138500.00 |
| 136800.00 |
| 123900.00 |
| 123700.00 |
| 121400.00 |
| 120800.00 |
| 120400.00 |
| 119600.00 |
| 118200.00 |
| 117300.00 |
| 116400.00 |
| 114900.00 |

The Output tab shows the execution log:

| # | Time | Action | Message | Duration / Fetch |
|----|----------|---|--|-----------------------|
| 30 | 16:16:53 | SELECT FROM creditLimit , creditLimit + 2000 AS new_creditLimit | Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL version. | 0.000 sec |
| 31 | 16:17:55 | SELECT creditLimit , creditLimit + 2000 AS new_creditLimit FROM classicmodels.customers LIMIT 0, 1000 | 122 row(s) returned | 0.000 sec / 0.000 sec |
| 32 | 16:18:07 | SELECT creditLimit , creditLimit + 2000 AS new_creditLimit FROM classicmodels.customers LIMIT 0, 1000 | 122 row(s) returned | 0.000 sec / 0.000 sec |
| 33 | 16:22:01 | SELECT creditLimit FROM classicmodels.customers ORDER BY creditLimit DESC LIMIT 0, 1000 | 122 row(s) returned | 0.000 sec / 0.000 sec |