Setting environment for using XAMPP for Windows.

727012@128-IMAC18 c:\xampp

# mysql -u root -p C:\xampp\csd2204w18.sql

Enter password:

ERROR 1049 (42000): Unknown database 'c:\xampp\csd2204w18.sql'

727012@128-IMAC18 c:\xampp

# mysql -u root -p csd2204w18< c:/xampp/csd2204w18.sql

Enter password:

ERROR 1049 (42000): Unknown database 'csd2204w18'

727012@128-IMAC18 c:\xampp

# mysql -u root -p

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 6

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

| we2018 |

+--------------------+

6 rows in set (0.00 sec)

MariaDB [(none)]> create database CSD2204W18;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> show databases;

+--------------------+

| Database |

+--------------------+

| csd2204w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

| we2018 |

+--------------------+

7 rows in set (0.00 sec)

MariaDB [(none)]> exit

Bye

727012@128-IMAC18 c:\xampp

# mysql -u root -p csd2204w18< c:/xampp/csd2204w18.sql

Enter password:

727012@128-IMAC18 c:\xampp

#

727012@128-IMAC18 c:\xampp

# mysql -u root -p

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 8

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;

+--------------------+

| Database |

+--------------------+

| csd2204w18 |

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

| we2018 |

+--------------------+

7 rows in set (0.00 sec)

MariaDB [(none)]> use csd2204w18;

Database changed

MariaDB [csd2204w18]> show tables;

+----------------------+

| Tables\_in\_csd2204w18 |

+----------------------+

| animals |

| countries |

| departments |

| employees |

| job\_history |

| jobs |

| locations |

| manu |

| pet |

| products |

| regions |

+----------------------+

11 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \*from department;

ERROR 1146 (42S02): Table 'csd2204w18.department' doesn't exist

MariaDB [csd2204w18]> select \*from departments;

+---------------+----------------------+------------+-------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+---------------+----------------------+------------+-------------+

| 10 | Administration | 200 | 1700 |

| 20 | Marketing | 201 | 1800 |

| 30 | Purchasing | 114 | 1700 |

| 40 | Human Resources | 203 | 2400 |

| 50 | Shipping | 121 | 1500 |

| 60 | IT | 103 | 1400 |

| 70 | Public Relations | 204 | 2700 |

| 80 | Sales | 145 | 2500 |

| 90 | Executive | 100 | 1700 |

| 100 | Finance | 108 | 1700 |

| 110 | Accounting | 205 | 1700 |

| 120 | Treasury | 0 | 1700 |

| 130 | Corporate Tax | 0 | 1700 |

| 140 | Control And Credit | 0 | 1700 |

| 150 | Shareholder Services | 0 | 1700 |

| 160 | Benefits | 0 | 1700 |

| 170 | Manufacturing | 0 | 1700 |

| 180 | Construction | 0 | 1700 |

| 190 | Contracting | 0 | 1700 |

| 200 | Operations | 0 | 1700 |

| 210 | IT Support | 0 | 1700 |

| 220 | NOC | 0 | 1700 |

| 230 | IT Helpdesk | 0 | 1700 |

| 240 | Government Sales | 0 | 1700 |

| 250 | Retail Sales | 0 | 1700 |

| 260 | Recruiting | 0 | 1700 |

| 270 | Payroll | 0 | 1700 |

+---------------+----------------------+------------+-------------+

27 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where salary > (select avg(salary) from employees where department\_id IN(select department\_id from department));

ERROR 1146 (42S02): Table 'csd2204w18.department' doesn't exist

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where salary > (select avg(salary) from employees where department\_id IN(select department\_id from departments));

+-------------+-------------+------------+----------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+-------------+------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+------------+----------+

51 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \*from employees;

+-------------+-------------+-------------+----------+--------------------+------------+------------+----------+----------------+------------+---------------+

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT | MANAGER\_ID | DEPARTMENT\_ID |

+-------------+-------------+-------------+----------+--------------------+------------+------------+----------+----------------+------------+---------------+

| 100 | Steven | King | SKING | 515.123.4567 | 1987-06-17 | AD\_PRES | 24000.00 | 0.00 | 0 | 90 |

| 101 | Neena | Kochhar | NKOCHHAR | 515.123.4568 | 1987-06-18 | AD\_VP | 17000.00 | 0.00 | 100 | 90 |

| 102 | Lex | De Haan | LDEHAAN | 515.123.4569 | 1987-06-19 | AD\_VP | 17000.00 | 0.00 | 100 | 90 |

| 103 | Alexander | Hunold | AHUNOLD | 590.423.4567 | 1987-06-20 | IT\_PROG | 9000.00 | 0.00 | 102 | 60 |

| 104 | Bruce | Ernst | BERNST | 590.423.4568 | 1987-06-21 | IT\_PROG | 6000.00 | 0.00 | 103 | 60 |

| 105 | David | Austin | DAUSTIN | 590.423.4569 | 1987-06-22 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 106 | Valli | Pataballa | VPATABAL | 590.423.4560 | 1987-06-23 | IT\_PROG | 4800.00 | 0.00 | 103 | 60 |

| 107 | Diana | Lorentz | DLORENTZ | 590.423.5567 | 1987-06-24 | IT\_PROG | 4200.00 | 0.00 | 103 | 60 |

| 108 | Nancy | Greenberg | NGREENBE | 515.124.4569 | 1987-06-25 | FI\_MGR | 12000.00 | 0.00 | 101 | 100 |

| 109 | Daniel | Faviet | DFAVIET | 515.124.4169 | 1987-06-26 | FI\_ACCOUNT | 9000.00 | 0.00 | 108 | 100 |

| 110 | John | Chen | JCHEN | 515.124.4269 | 1987-06-27 | FI\_ACCOUNT | 8200.00 | 0.00 | 108 | 100 |

| 111 | Ismael | Sciarra | ISCIARRA | 515.124.4369 | 1987-06-28 | FI\_ACCOUNT | 7700.00 | 0.00 | 108 | 100 |

| 112 | Jose Manuel | Urman | JMURMAN | 515.124.4469 | 1987-06-29 | FI\_ACCOUNT | 7800.00 | 0.00 | 108 | 100 |

| 113 | Luis | Popp | LPOPP | 515.124.4567 | 1987-06-30 | FI\_ACCOUNT | 6900.00 | 0.00 | 108 | 100 |

| 114 | Den | Raphaely | DRAPHEAL | 515.127.4561 | 1987-07-01 | PU\_MAN | 11000.00 | 0.00 | 100 | 30 |

| 115 | Alexander | Khoo | AKHOO | 515.127.4562 | 1987-07-02 | PU\_CLERK | 3100.00 | 0.00 | 114 | 30 |

| 116 | Shelli | Baida | SBAIDA | 515.127.4563 | 1987-07-03 | PU\_CLERK | 2900.00 | 0.00 | 114 | 30 |

| 117 | Sigal | Tobias | STOBIAS | 515.127.4564 | 1987-07-04 | PU\_CLERK | 2800.00 | 0.00 | 114 | 30 |

| 118 | Guy | Himuro | GHIMURO | 515.127.4565 | 1987-07-05 | PU\_CLERK | 2600.00 | 0.00 | 114 | 30 |

| 119 | Karen | Colmenares | KCOLMENA | 515.127.4566 | 1987-07-06 | PU\_CLERK | 2500.00 | 0.00 | 114 | 30 |

| 120 | Matthew | Weiss | MWEISS | 650.123.1234 | 1987-07-07 | ST\_MAN | 8000.00 | 0.00 | 100 | 50 |

| 121 | Adam | Fripp | AFRIPP | 650.123.2234 | 1987-07-08 | ST\_MAN | 8200.00 | 0.00 | 100 | 50 |

| 122 | Payam | Kaufling | PKAUFLIN | 650.123.3234 | 1987-07-09 | ST\_MAN | 7900.00 | 0.00 | 100 | 50 |

| 123 | Shanta | Vollman | SVOLLMAN | 650.123.4234 | 1987-07-10 | ST\_MAN | 6500.00 | 0.00 | 100 | 50 |

| 124 | Kevin | Mourgos | KMOURGOS | 650.123.5234 | 1987-07-11 | ST\_MAN | 5800.00 | 0.00 | 100 | 50 |

| 125 | Julia | Nayer | JNAYER | 650.124.1214 | 1987-07-12 | ST\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 126 | Irene | Mikkilineni | IMIKKILI | 650.124.1224 | 1987-07-13 | ST\_CLERK | 2700.00 | 0.00 | 120 | 50 |

| 127 | James | Landry | JLANDRY | 650.124.1334 | 1987-07-14 | ST\_CLERK | 2400.00 | 0.00 | 120 | 50 |

| 128 | Steven | Markle | SMARKLE | 650.124.1434 | 1987-07-15 | ST\_CLERK | 2200.00 | 0.00 | 120 | 50 |

| 129 | Laura | Bissot | LBISSOT | 650.124.5234 | 1987-07-16 | ST\_CLERK | 3300.00 | 0.00 | 121 | 50 |

| 130 | Mozhe | Atkinson | MATKINSO | 650.124.6234 | 1987-07-17 | ST\_CLERK | 2800.00 | 0.00 | 121 | 50 |

| 131 | James | Marlow | JAMRLOW | 650.124.7234 | 1987-07-18 | ST\_CLERK | 2500.00 | 0.00 | 121 | 50 |

| 132 | TJ | Olson | TJOLSON | 650.124.8234 | 1987-07-19 | ST\_CLERK | 2100.00 | 0.00 | 121 | 50 |

| 133 | Jason | Mallin | JMALLIN | 650.127.1934 | 1987-07-20 | ST\_CLERK | 3300.00 | 0.00 | 122 | 50 |

| 134 | Michael | Rogers | MROGERS | 650.127.1834 | 1987-07-21 | ST\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 135 | Ki | Gee | KGEE | 650.127.1734 | 1987-07-22 | ST\_CLERK | 2400.00 | 0.00 | 122 | 50 |

| 136 | Hazel | Philtanker | HPHILTAN | 650.127.1634 | 1987-07-23 | ST\_CLERK | 2200.00 | 0.00 | 122 | 50 |

| 137 | Renske | Ladwig | RLADWIG | 650.121.1234 | 1987-07-24 | ST\_CLERK | 3600.00 | 0.00 | 123 | 50 |

| 138 | Stephen | Stiles | SSTILES | 650.121.2034 | 1987-07-25 | ST\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 139 | John | Seo | JSEO | 650.121.2019 | 1987-07-26 | ST\_CLERK | 2700.00 | 0.00 | 123 | 50 |

| 140 | Joshua | Patel | JPATEL | 650.121.1834 | 1987-07-27 | ST\_CLERK | 2500.00 | 0.00 | 123 | 50 |

| 141 | Trenna | Rajs | TRAJS | 650.121.8009 | 1987-07-28 | ST\_CLERK | 3500.00 | 0.00 | 124 | 50 |

| 142 | Curtis | Davies | CDAVIES | 650.121.2994 | 1987-07-29 | ST\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 143 | Randall | Matos | RMATOS | 650.121.2874 | 1987-07-30 | ST\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 144 | Peter | Vargas | PVARGAS | 650.121.2004 | 1987-07-31 | ST\_CLERK | 2500.00 | 0.00 | 124 | 50 |

| 145 | John | Russell | JRUSSEL | 011.44.1344.429268 | 1987-08-01 | SA\_MAN | 14000.00 | 0.40 | 100 | 80 |

| 146 | Karen | Partners | KPARTNER | 011.44.1344.467268 | 1987-08-02 | SA\_MAN | 13500.00 | 0.30 | 100 | 80 |

| 147 | Alberto | Errazuriz | AERRAZUR | 011.44.1344.429278 | 1987-08-03 | SA\_MAN | 12000.00 | 0.30 | 100 | 80 |

| 148 | Gerald | Cambrault | GCAMBRAU | 011.44.1344.619268 | 1987-08-04 | SA\_MAN | 11000.00 | 0.30 | 100 | 80 |

| 149 | Eleni | Zlotkey | EZLOTKEY | 011.44.1344.429018 | 1987-08-05 | SA\_MAN | 10500.00 | 0.20 | 100 | 80 |

| 150 | Peter | Tucker | PTUCKER | 011.44.1344.129268 | 1987-08-06 | SA\_REP | 10000.00 | 0.30 | 145 | 80 |

| 151 | David | Bernstein | DBERNSTE | 011.44.1344.345268 | 1987-08-07 | SA\_REP | 9500.00 | 0.25 | 145 | 80 |

| 152 | Peter | Hall | PHALL | 011.44.1344.478968 | 1987-08-08 | SA\_REP | 9000.00 | 0.25 | 145 | 80 |

| 153 | Christopher | Olsen | COLSEN | 011.44.1344.498718 | 1987-08-09 | SA\_REP | 8000.00 | 0.20 | 145 | 80 |

| 154 | Nanette | Cambrault | NCAMBRAU | 011.44.1344.987668 | 1987-08-10 | SA\_REP | 7500.00 | 0.20 | 145 | 80 |

| 155 | Oliver | Tuvault | OTUVAULT | 011.44.1344.486508 | 1987-08-11 | SA\_REP | 7000.00 | 0.15 | 145 | 80 |

| 156 | Janette | King | JKING | 011.44.1345.429268 | 1987-08-12 | SA\_REP | 10000.00 | 0.35 | 146 | 80 |

| 157 | Patrick | Sully | PSULLY | 011.44.1345.929268 | 1987-08-13 | SA\_REP | 9500.00 | 0.35 | 146 | 80 |

| 158 | Allan | McEwen | AMCEWEN | 011.44.1345.829268 | 1987-08-14 | SA\_REP | 9000.00 | 0.35 | 146 | 80 |

| 159 | Lindsey | Smith | LSMITH | 011.44.1345.729268 | 1987-08-15 | SA\_REP | 8000.00 | 0.30 | 146 | 80 |

| 160 | Louise | Doran | LDORAN | 011.44.1345.629268 | 1987-08-16 | SA\_REP | 7500.00 | 0.30 | 146 | 80 |

| 161 | Sarath | Sewall | SSEWALL | 011.44.1345.529268 | 1987-08-17 | SA\_REP | 7000.00 | 0.25 | 146 | 80 |

| 162 | Clara | Vishney | CVISHNEY | 011.44.1346.129268 | 1987-08-18 | SA\_REP | 10500.00 | 0.25 | 147 | 80 |

| 163 | Danielle | Greene | DGREENE | 011.44.1346.229268 | 1987-08-19 | SA\_REP | 9500.00 | 0.15 | 147 | 80 |

| 164 | Mattea | Marvins | MMARVINS | 011.44.1346.329268 | 1987-08-20 | SA\_REP | 7200.00 | 0.10 | 147 | 80 |

| 165 | David | Lee | DLEE | 011.44.1346.529268 | 1987-08-21 | SA\_REP | 6800.00 | 0.10 | 147 | 80 |

| 166 | Sundar | Ande | SANDE | 011.44.1346.629268 | 1987-08-22 | SA\_REP | 6400.00 | 0.10 | 147 | 80 |

| 167 | Amit | Banda | ABANDA | 011.44.1346.729268 | 1987-08-23 | SA\_REP | 6200.00 | 0.10 | 147 | 80 |

| 168 | Lisa | Ozer | LOZER | 011.44.1343.929268 | 1987-08-24 | SA\_REP | 11500.00 | 0.25 | 148 | 80 |

| 169 | Harrison | Bloom | HBLOOM | 011.44.1343.829268 | 1987-08-25 | SA\_REP | 10000.00 | 0.20 | 148 | 80 |

| 170 | Tayler | Fox | TFOX | 011.44.1343.729268 | 1987-08-26 | SA\_REP | 9600.00 | 0.20 | 148 | 80 |

| 171 | William | Smith | WSMITH | 011.44.1343.629268 | 1987-08-27 | SA\_REP | 7400.00 | 0.15 | 148 | 80 |

| 172 | Elizabeth | Bates | EBATES | 011.44.1343.529268 | 1987-08-28 | SA\_REP | 7300.00 | 0.15 | 148 | 80 |

| 173 | Sundita | Kumar | SKUMAR | 011.44.1343.329268 | 1987-08-29 | SA\_REP | 6100.00 | 0.10 | 148 | 80 |

| 174 | Ellen | Abel | EABEL | 011.44.1644.429267 | 1987-08-30 | SA\_REP | 11000.00 | 0.30 | 149 | 80 |

| 175 | Alyssa | Hutton | AHUTTON | 011.44.1644.429266 | 1987-08-31 | SA\_REP | 8800.00 | 0.25 | 149 | 80 |

| 176 | Jonathon | Taylor | JTAYLOR | 011.44.1644.429265 | 1987-09-01 | SA\_REP | 8600.00 | 0.20 | 149 | 80 |

| 177 | Jack | Livingston | JLIVINGS | 011.44.1644.429264 | 1987-09-02 | SA\_REP | 8400.00 | 0.20 | 149 | 80 |

| 178 | Kimberely | Grant | KGRANT | 011.44.1644.429263 | 1987-09-03 | SA\_REP | 7000.00 | 0.15 | 149 | 0 |

| 179 | Charles | Johnson | CJOHNSON | 011.44.1644.429262 | 1987-09-04 | SA\_REP | 6200.00 | 0.10 | 149 | 80 |

| 180 | Winston | Taylor | WTAYLOR | 650.507.9876 | 1987-09-05 | SH\_CLERK | 3200.00 | 0.00 | 120 | 50 |

| 181 | Jean | Fleaur | JFLEAUR | 650.507.9877 | 1987-09-06 | SH\_CLERK | 3100.00 | 0.00 | 120 | 50 |

| 182 | Martha | Sullivan | MSULLIVA | 650.507.9878 | 1987-09-07 | SH\_CLERK | 2500.00 | 0.00 | 120 | 50 |

| 183 | Girard | Geoni | GGEONI | 650.507.9879 | 1987-09-08 | SH\_CLERK | 2800.00 | 0.00 | 120 | 50 |

| 184 | Nandita | Sarchand | NSARCHAN | 650.509.1876 | 1987-09-09 | SH\_CLERK | 4200.00 | 0.00 | 121 | 50 |

| 185 | Alexis | Bull | ABULL | 650.509.2876 | 1987-09-10 | SH\_CLERK | 4100.00 | 0.00 | 121 | 50 |

| 186 | Julia | Dellinger | JDELLING | 650.509.3876 | 1987-09-11 | SH\_CLERK | 3400.00 | 0.00 | 121 | 50 |

| 187 | Anthony | Cabrio | ACABRIO | 650.509.4876 | 1987-09-12 | SH\_CLERK | 3000.00 | 0.00 | 121 | 50 |

| 188 | Kelly | Chung | KCHUNG | 650.505.1876 | 1987-09-13 | SH\_CLERK | 3800.00 | 0.00 | 122 | 50 |

| 189 | Jennifer | Dilly | JDILLY | 650.505.2876 | 1987-09-14 | SH\_CLERK | 3600.00 | 0.00 | 122 | 50 |

| 190 | Timothy | Gates | TGATES | 650.505.3876 | 1987-09-15 | SH\_CLERK | 2900.00 | 0.00 | 122 | 50 |

| 191 | Randall | Perkins | RPERKINS | 650.505.4876 | 1987-09-16 | SH\_CLERK | 2500.00 | 0.00 | 122 | 50 |

| 192 | Sarah | Bell | SBELL | 650.501.1876 | 1987-09-17 | SH\_CLERK | 4000.00 | 0.00 | 123 | 50 |

| 193 | Britney | Everett | BEVERETT | 650.501.2876 | 1987-09-18 | SH\_CLERK | 3900.00 | 0.00 | 123 | 50 |

| 194 | Samuel | McCain | SMCCAIN | 650.501.3876 | 1987-09-19 | SH\_CLERK | 3200.00 | 0.00 | 123 | 50 |

| 195 | Vance | Jones | VJONES | 650.501.4876 | 1987-09-20 | SH\_CLERK | 2800.00 | 0.00 | 123 | 50 |

| 196 | Alana | Walsh | AWALSH | 650.507.9811 | 1987-09-21 | SH\_CLERK | 3100.00 | 0.00 | 124 | 50 |

| 197 | Kevin | Feeney | KFEENEY | 650.507.9822 | 1987-09-22 | SH\_CLERK | 3000.00 | 0.00 | 124 | 50 |

| 198 | Donald | OConnell | DOCONNEL | 650.507.9833 | 1987-09-23 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 199 | Douglas | Grant | DGRANT | 650.507.9844 | 1987-09-24 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 200 | Jennifer | Whalen | JWHALEN | 515.123.4444 | 1987-09-25 | AD\_ASST | 4400.00 | 0.00 | 101 | 10 |

| 201 | Michael | Hartstein | MHARTSTE | 515.123.5555 | 1987-09-26 | MK\_MAN | 13000.00 | 0.00 | 100 | 20 |

| 202 | Pat | Fay | PFAY | 603.123.6666 | 1987-09-27 | MK\_REP | 6000.00 | 0.00 | 201 | 20 |

| 203 | Susan | Mavris | SMAVRIS | 515.123.7777 | 1987-09-28 | HR\_REP | 6500.00 | 0.00 | 101 | 40 |

| 204 | Hermann | Baer | HBAER | 515.123.8888 | 1987-09-29 | PR\_REP | 10000.00 | 0.00 | 101 | 70 |

| 205 | Shelley | Higgins | SHIGGINS | 515.123.8080 | 1987-09-30 | AC\_MGR | 12000.00 | 0.00 | 101 | 110 |

| 206 | William | Gietz | WGIETZ | 515.123.8181 | 1987-10-01 | AC\_ACCOUNT | 8300.00 | 0.00 | 205 | 110 |

+-------------+-------------+-------------+----------+--------------------+------------+------------+----------+----------------+------------+---------------+

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where salary > (select avg(salary) from employees where department\_id IN(select department\_id from departments));

+-------------+-------------+------------+----------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+-------------+------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+------------+----------+

51 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where salary > (select avg(salary) from employees where department\_id IN(select department\_id from departments));

+-------------+-------------+------------+----------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+-------------+------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+------------+----------+

51 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \*from jobs;

+------------+---------------------------------+------------+------------+

| JOB\_ID | JOB\_TITLE | MIN\_SALARY | MAX\_SALARY |

+------------+---------------------------------+------------+------------+

| AD\_PRES | President | 20000 | 40000 |

| AD\_VP | Administration Vice President | 15000 | 30000 |

| AD\_ASST | Administration Assistant | 3000 | 6000 |

| FI\_MGR | Finance Manager | 8200 | 16000 |

| FI\_ACCOUNT | Accountant | 4200 | 9000 |

| AC\_MGR | Accounting Manager | 8200 | 16000 |

| AC\_ACCOUNT | Public Accountant | 4200 | 9000 |

| SA\_MAN | Sales Manager | 10000 | 20000 |

| SA\_REP | Sales Representative | 6000 | 12000 |

| PU\_MAN | Purchasing Manager | 8000 | 15000 |

| PU\_CLERK | Purchasing Clerk | 2500 | 5500 |

| ST\_MAN | Stock Manager | 5500 | 8500 |

| ST\_CLERK | Stock Clerk | 2000 | 5000 |

| SH\_CLERK | Shipping Clerk | 2500 | 5500 |

| IT\_PROG | Programmer | 4000 | 10000 |

| MK\_MAN | Marketing Manager | 9000 | 15000 |

| MK\_REP | Marketing Representative | 4000 | 9000 |

| HR\_REP | Human Resources Representative | 4000 | 9000 |

| PR\_REP | Public Relations Representative | 4500 | 10500 |

+------------+---------------------------------+------------+------------+

19 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where salary > (select avg(salary) from employees where department\_id IN(select department\_id from employees);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where salary > (select avg(salary) from employees where department\_id IN(select department\_id from employees));

+-------------+-------------+------------+----------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+-------------+------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+------------+----------+

51 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where salary > (select avg(salary) from employees where department\_id = A.department\_id);

ERROR 1054 (42S22): Unknown column 'A.department\_id' in 'where clause'

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where salary > (select avg(salary) from employees A where department\_id = A.department\_id);

+-------------+-------------+------------+----------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+-------------+------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+------------+----------+

51 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees AS A where salary > (select avg(salary) from employees where department\_id = A.department\_id);

+-------------+------------+-----------+----------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+------------+-----------+----------+

| 100 | Steven | King | 24000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 114 | Den | Raphaely | 11000.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 174 | Ellen | Abel | 11000.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 205 | Shelley | Higgins | 12000.00 |

+-------------+------------+-----------+----------+

38 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees AS A where salary < (select min(salary) from employees where department\_id IN(select department\_id from departments));

Empty set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees AS A where salary > (select min(salary) from employees where department\_id <> A.department\_id);

+-------------+-------------+-------------+----------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+-------------+-------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

97 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees AS A where salary < (select min(salary) from employees where department\_id <> A.department\_id);

+-------------+------------+------------+---------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+------------+------------+---------+

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 132 | TJ | Olson | 2100.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

+-------------+------------+------------+---------+

5 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees AS A where salary > (select min(salary) from employees where department\_id IN (select department\_id from departments where location\_id IN(select location\_id from countries where country = 'Canada')));

ERROR 1054 (42S22): Unknown column 'country' in 'where clause'

MariaDB [csd2204w18]> desc countries;

+--------------+---------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+---------------+------+-----+---------+-------+

| COUNTRY\_ID | varchar(2) | NO | PRI | NULL | |

| COUNTRY\_NAME | varchar(40) | YES | | NULL | |

| REGION\_ID | decimal(10,0) | YES | MUL | NULL | |

+--------------+---------------+------+-----+---------+-------+

3 rows in set (0.02 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees AS A where salary > (select min(salary) from employees where department\_id IN (select department\_id from departments where location\_id IN(select country\_id from countries where country\_name = 'Canada')));

Empty set, 106 warnings (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees AS A where salary > (select min(salary) from employees where department\_id IN (select department\_id from departments where location\_id IN(select country\_id from countries where country\_name = 'Canada')));

Empty set, 106 warnings (0.00 sec)

MariaDB [csd2204w18]> desc departments;

+-----------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------------+--------------+------+-----+---------+-------+

| DEPARTMENT\_ID | decimal(4,0) | NO | PRI | 0 | |

| DEPARTMENT\_NAME | varchar(30) | NO | | NULL | |

| MANAGER\_ID | decimal(6,0) | YES | MUL | NULL | |

| LOCATION\_ID | decimal(4,0) | YES | MUL | NULL | |

+-----------------+--------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \*from countries;

+------------+--------------------------+-----------+

| COUNTRY\_ID | COUNTRY\_NAME | REGION\_ID |

+------------+--------------------------+-----------+

| AR | Argentina | 2 |

| AU | Australia | 3 |

| BE | Belgium | 1 |

| BR | Brazil | 2 |

| CA | Canada | 2 |

| CH | Switzerland | 1 |

| CN | China | 3 |

| DE | Germany | 1 |

| DK | Denmark | 1 |

| EG | Egypt | 4 |

| FR | France | 1 |

| HK | HongKong | 3 |

| IL | Israel | 4 |

| IN | India | 3 |

| IT | Italy | 1 |

| JP | Japan | 3 |

| KW | Kuwait | 4 |

| MX | Mexico | 2 |

| NG | Nigeria | 4 |

| NL | Netherlands | 1 |

| SG | Singapore | 3 |

| UK | United Kingdom | 1 |

| US | United States of America | 2 |

| ZM | Zambia | 4 |

| ZW | Zimbabwe | 4 |

+------------+--------------------------+-----------+

25 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \*from departments;

+---------------+----------------------+------------+-------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+---------------+----------------------+------------+-------------+

| 10 | Administration | 200 | 1700 |

| 20 | Marketing | 201 | 1800 |

| 30 | Purchasing | 114 | 1700 |

| 40 | Human Resources | 203 | 2400 |

| 50 | Shipping | 121 | 1500 |

| 60 | IT | 103 | 1400 |

| 70 | Public Relations | 204 | 2700 |

| 80 | Sales | 145 | 2500 |

| 90 | Executive | 100 | 1700 |

| 100 | Finance | 108 | 1700 |

| 110 | Accounting | 205 | 1700 |

| 120 | Treasury | 0 | 1700 |

| 130 | Corporate Tax | 0 | 1700 |

| 140 | Control And Credit | 0 | 1700 |

| 150 | Shareholder Services | 0 | 1700 |

| 160 | Benefits | 0 | 1700 |

| 170 | Manufacturing | 0 | 1700 |

| 180 | Construction | 0 | 1700 |

| 190 | Contracting | 0 | 1700 |

| 200 | Operations | 0 | 1700 |

| 210 | IT Support | 0 | 1700 |

| 220 | NOC | 0 | 1700 |

| 230 | IT Helpdesk | 0 | 1700 |

| 240 | Government Sales | 0 | 1700 |

| 250 | Retail Sales | 0 | 1700 |

| 260 | Recruiting | 0 | 1700 |

| 270 | Payroll | 0 | 1700 |

+---------------+----------------------+------------+-------------+

27 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \*from locations;

+-------------+---------------------------+--------------+---------------------+-------------------+------------+

| LOCATION\_ID | STREET\_ADDRESS | POSTAL\_CODE | CITY | STATE\_PROVINCE | COUNTRY\_ID |

+-------------+---------------------------+--------------+---------------------+-------------------+------------+

| 1000 | 1297 Via Cola di Rie | 989 | Roma | | IT |

| 1100 | 93091 Calle della Testa | 10934 | Venice | | IT |

| 1200 | 2017 Shinjuku-ku | 1689 | Tokyo | Tokyo Prefecture | JP |

| 1300 | 9450 Kamiya-cho | 6823 | Hiroshima | | JP |

| 1400 | 2014 Jabberwocky Rd | 26192 | Southlake | Texas | US |

| 1500 | 2011 Interiors Blvd | 99236 | South San Francisco | California | US |

| 1600 | 2007 Zagora St | 50090 | South Brunswick | New Jersey | US |

| 1700 | 2004 Charade Rd | 98199 | Seattle | Washington | US |

| 1800 | 147 Spadina Ave | M5V 2L7 | Toronto | Ontario | CA |

| 1900 | 6092 Boxwood St | YSW 9T2 | Whitehorse | Yukon | CA |

| 2000 | 40-5-12 Laogianggen | 190518 | Beijing | | CN |

| 2100 | 1298 Vileparle (E) | 490231 | Bombay | Maharashtra | IN |

| 2200 | 12-98 Victoria Street | 2901 | Sydney | New South Wales | AU |

| 2300 | 198 Clementi North | 540198 | Singapore | | SG |

| 2400 | 8204 Arthur St | | London | | UK |

| 2500 | "Magdalen Centre | The Oxford | OX9 9ZB | Oxford | Ox |

| 2600 | 9702 Chester Road | 9629850293 | Stretford | Manchester | UK |

| 2700 | Schwanthalerstr. 7031 | 80925 | Munich | Bavaria | DE |

| 2800 | Rua Frei Caneca 1360 | 01307-002 | Sao Paulo | Sao Paulo | BR |

| 2900 | 20 Rue des Corps-Saints | 1730 | Geneva | Geneve | CH |

| 3000 | Murtenstrasse 921 | 3095 | Bern | BE | CH |

| 3100 | Pieter Breughelstraat 837 | 3029SK | Utrecht | Utrecht | NL |

| 3200 | Mariano Escobedo 9991 | 11932 | Mexico City | "Distrito Federal | " |

+-------------+---------------------------+--------------+---------------------+-------------------+------------+

23 rows in set (0.00 sec)

MariaDB [csd2204w18]> select department\_id from departments where department\_id IN(select \*from locations where country\_id = 'CA');

ERROR 1241 (21000): Operand should contain 1 column(s)

MariaDB [csd2204w18]> select department\_id from departments where department\_id IN(select \*from location\_id where country\_id = 'CA');

ERROR 1146 (42S02): Table 'csd2204w18.location\_id' doesn't exist

MariaDB [csd2204w18]> select department\_id from departments where department\_id IN(select location\_id where country\_id = 'CA');

ERROR 1054 (42S22): Unknown column 'country\_id' in 'where clause'

MariaDB [csd2204w18]> select department\_id from departments where department\_id IN(select location\_id from locations where country\_id = 'CA');

Empty set (0.02 sec)

MariaDB [csd2204w18]> select department\_id from departments where location\_id IN(select location\_id from locations where country\_id = 'CA');

+---------------+

| department\_id |

+---------------+

| 20 |

+---------------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID,First\_Name,last\_name,Salary from employees where department\_id IN(select department\_id from departments where location\_id IN(select location\_id from locations where country\_id='ca'));

+-------------+------------+-----------+----------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+------------+-----------+----------+

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

+-------------+------------+-----------+----------+

2 rows in set (0.00 sec)

MariaDB [csd2204w18]> select Employee\_ID, First\_Name,last\_name,Salary from employees where salary < (select min(salary) from employees where department\_id IN(select department\_id from departments where location\_id IN(select location\_id from locations where country\_id ='ca')));

+-------------+------------+-------------+---------+

| Employee\_ID | First\_Name | last\_name | Salary |

+-------------+------------+-------------+---------+

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

+-------------+------------+-------------+---------+

50 rows in set (0.00 sec)

MariaDB [csd2204w18]> desc employee;

ERROR 1146 (42S02): Table 'csd2204w18.employee' doesn't exist

MariaDB [csd2204w18]> desc employees;

+----------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+--------------+------+-----+---------+-------+

| EMPLOYEE\_ID | decimal(6,0) | NO | PRI | 0 | |

| FIRST\_NAME | varchar(20) | YES | | NULL | |

| LAST\_NAME | varchar(25) | NO | MUL | NULL | |

| EMAIL | varchar(25) | NO | UNI | NULL | |

| PHONE\_NUMBER | varchar(20) | YES | | NULL | |

| HIRE\_DATE | date | NO | | NULL | |

| JOB\_ID | varchar(10) | NO | MUL | NULL | |

| SALARY | decimal(8,2) | YES | | NULL | |

| COMMISSION\_PCT | decimal(2,2) | YES | | NULL | |

| MANAGER\_ID | decimal(6,0) | YES | MUL | NULL | |

| DEPARTMENT\_ID | decimal(4,0) | YES | MUL | NULL | |

+----------------+--------------+------+-----+---------+-------+

11 rows in set (0.00 sec)

MariaDB [csd2204w18]> desc departments;

+-----------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------------+--------------+------+-----+---------+-------+

| DEPARTMENT\_ID | decimal(4,0) | NO | PRI | 0 | |

| DEPARTMENT\_NAME | varchar(30) | NO | | NULL | |

| MANAGER\_ID | decimal(6,0) | YES | MUL | NULL | |

| LOCATION\_ID | decimal(4,0) | YES | MUL | NULL | |

+-----------------+--------------+------+-----+---------+-------+

4 rows in set (0.00 sec)

MariaDB [csd2204w18]> select \*from departments where location\_id IN(select location\_id from locations where location\_id = 'US');

Empty set (0.00 sec)

MariaDB [csd2204w18]> select \*from departments where location\_id IN(select location\_id from locations where country\_id = 'US');

+---------------+----------------------+------------+-------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+---------------+----------------------+------------+-------------+

| 60 | IT | 103 | 1400 |

| 50 | Shipping | 121 | 1500 |

| 10 | Administration | 200 | 1700 |

| 30 | Purchasing | 114 | 1700 |

| 90 | Executive | 100 | 1700 |

| 100 | Finance | 108 | 1700 |

| 110 | Accounting | 205 | 1700 |

| 120 | Treasury | 0 | 1700 |

| 130 | Corporate Tax | 0 | 1700 |

| 140 | Control And Credit | 0 | 1700 |

| 150 | Shareholder Services | 0 | 1700 |

| 160 | Benefits | 0 | 1700 |

| 170 | Manufacturing | 0 | 1700 |

| 180 | Construction | 0 | 1700 |

| 190 | Contracting | 0 | 1700 |

| 200 | Operations | 0 | 1700 |

| 210 | IT Support | 0 | 1700 |

| 220 | NOC | 0 | 1700 |

| 230 | IT Helpdesk | 0 | 1700 |

| 240 | Government Sales | 0 | 1700 |

| 250 | Retail Sales | 0 | 1700 |

| 260 | Recruiting | 0 | 1700 |

| 270 | Payroll | 0 | 1700 |

+---------------+----------------------+------------+-------------+

23 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.First\_name,b.last\_name,b.salary from employees b where NOT EXISTS (select 'x' from employees a where a.manager\_id = b.employee\_id);

+-------------+-------------+----------+

| First\_name | last\_name | salary |

+-------------+-------------+----------+

| Bruce | Ernst | 6000.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Diana | Lorentz | 4200.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Luis | Popp | 6900.00 |

| Alexander | Khoo | 3100.00 |

| Shelli | Baida | 2900.00 |

| Sigal | Tobias | 2800.00 |

| Guy | Himuro | 2600.00 |

| Karen | Colmenares | 2500.00 |

| Julia | Nayer | 3200.00 |

| Irene | Mikkilineni | 2700.00 |

| James | Landry | 2400.00 |

| Steven | Markle | 2200.00 |

| Laura | Bissot | 3300.00 |

| Mozhe | Atkinson | 2800.00 |

| James | Marlow | 2500.00 |

| TJ | Olson | 2100.00 |

| Jason | Mallin | 3300.00 |

| Michael | Rogers | 2900.00 |

| Ki | Gee | 2400.00 |

| Hazel | Philtanker | 2200.00 |

| Renske | Ladwig | 3600.00 |

| Stephen | Stiles | 3200.00 |

| John | Seo | 2700.00 |

| Joshua | Patel | 2500.00 |

| Trenna | Rajs | 3500.00 |

| Curtis | Davies | 3100.00 |

| Randall | Matos | 2600.00 |

| Peter | Vargas | 2500.00 |

| Peter | Tucker | 10000.00 |

| David | Bernstein | 9500.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Nanette | Cambrault | 7500.00 |

| Oliver | Tuvault | 7000.00 |

| Janette | King | 10000.00 |

| Patrick | Sully | 9500.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Louise | Doran | 7500.00 |

| Sarath | Sewall | 7000.00 |

| Clara | Vishney | 10500.00 |

| Danielle | Greene | 9500.00 |

| Mattea | Marvins | 7200.00 |

| David | Lee | 6800.00 |

| Sundar | Ande | 6400.00 |

| Amit | Banda | 6200.00 |

| Lisa | Ozer | 11500.00 |

| Harrison | Bloom | 10000.00 |

| Tayler | Fox | 9600.00 |

| William | Smith | 7400.00 |

| Elizabeth | Bates | 7300.00 |

| Sundita | Kumar | 6100.00 |

| Ellen | Abel | 11000.00 |

| Alyssa | Hutton | 8800.00 |

| Jonathon | Taylor | 8600.00 |

| Jack | Livingston | 8400.00 |

| Kimberely | Grant | 7000.00 |

| Charles | Johnson | 6200.00 |

| Winston | Taylor | 3200.00 |

| Jean | Fleaur | 3100.00 |

| Martha | Sullivan | 2500.00 |

| Girard | Geoni | 2800.00 |

| Nandita | Sarchand | 4200.00 |

| Alexis | Bull | 4100.00 |

| Julia | Dellinger | 3400.00 |

| Anthony | Cabrio | 3000.00 |

| Kelly | Chung | 3800.00 |

| Jennifer | Dilly | 3600.00 |

| Timothy | Gates | 2900.00 |

| Randall | Perkins | 2500.00 |

| Sarah | Bell | 4000.00 |

| Britney | Everett | 3900.00 |

| Samuel | McCain | 3200.00 |

| Vance | Jones | 2800.00 |

| Alana | Walsh | 3100.00 |

| Kevin | Feeney | 3000.00 |

| Donald | OConnell | 2600.00 |

| Douglas | Grant | 2600.00 |

| Jennifer | Whalen | 4400.00 |

| Pat | Fay | 6000.00 |

| Susan | Mavris | 6500.00 |

| Hermann | Baer | 10000.00 |

| William | Gietz | 8300.00 |

+-------------+-------------+----------+

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.First\_name,b.last\_name,b.salary from employees b where NOT EXISTS (select 'x' from employees a where a.manager\_id = b.employee\_id AND salary<(select salary from employees c where c.employee\_id = c.manager\_id AND location\_id IN(select location\_id from locations where country\_id = 'US')));

ERROR 1054 (42S22): Unknown column 'location\_id' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> select b.First\_name,b.last\_name,b.salary from employees b where NOT EXISTS (select 'x' from employees a where a.manager\_id = b.employee\_id AND salary<(select salary from employees c where c.employee\_id = c.manager\_id AND location\_id IN(select location\_id from locations where country\_id = 'US')));

ERROR 1054 (42S22): Unknown column 'location\_id' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees where NOT EXISTS(select first\_name from employees a where a.manager\_id = b.employee\_id);

ERROR 1054 (42S22): Unknown column 'b.employee\_id' in 'where clause'

MariaDB [csd2204w18]> select first\_name,last\_name,salary from employees b where NOT EXISTS(select first\_name from employees a where a.manager\_id = b.employee\_id);

+-------------+-------------+----------+

| first\_name | last\_name | salary |

+-------------+-------------+----------+

| Bruce | Ernst | 6000.00 |

| David | Austin | 4800.00 |

| Valli | Pataballa | 4800.00 |

| Diana | Lorentz | 4200.00 |

| Daniel | Faviet | 9000.00 |

| John | Chen | 8200.00 |

| Ismael | Sciarra | 7700.00 |

| Jose Manuel | Urman | 7800.00 |

| Luis | Popp | 6900.00 |

| Alexander | Khoo | 3100.00 |

| Shelli | Baida | 2900.00 |

| Sigal | Tobias | 2800.00 |

| Guy | Himuro | 2600.00 |

| Karen | Colmenares | 2500.00 |

| Julia | Nayer | 3200.00 |

| Irene | Mikkilineni | 2700.00 |

| James | Landry | 2400.00 |

| Steven | Markle | 2200.00 |

| Laura | Bissot | 3300.00 |

| Mozhe | Atkinson | 2800.00 |

| James | Marlow | 2500.00 |

| TJ | Olson | 2100.00 |

| Jason | Mallin | 3300.00 |

| Michael | Rogers | 2900.00 |

| Ki | Gee | 2400.00 |

| Hazel | Philtanker | 2200.00 |

| Renske | Ladwig | 3600.00 |

| Stephen | Stiles | 3200.00 |

| John | Seo | 2700.00 |

| Joshua | Patel | 2500.00 |

| Trenna | Rajs | 3500.00 |

| Curtis | Davies | 3100.00 |

| Randall | Matos | 2600.00 |

| Peter | Vargas | 2500.00 |

| Peter | Tucker | 10000.00 |

| David | Bernstein | 9500.00 |

| Peter | Hall | 9000.00 |

| Christopher | Olsen | 8000.00 |

| Nanette | Cambrault | 7500.00 |

| Oliver | Tuvault | 7000.00 |

| Janette | King | 10000.00 |

| Patrick | Sully | 9500.00 |

| Allan | McEwen | 9000.00 |

| Lindsey | Smith | 8000.00 |

| Louise | Doran | 7500.00 |

| Sarath | Sewall | 7000.00 |

| Clara | Vishney | 10500.00 |

| Danielle | Greene | 9500.00 |

| Mattea | Marvins | 7200.00 |

| David | Lee | 6800.00 |

| Sundar | Ande | 6400.00 |

| Amit | Banda | 6200.00 |

| Lisa | Ozer | 11500.00 |

| Harrison | Bloom | 10000.00 |

| Tayler | Fox | 9600.00 |

| William | Smith | 7400.00 |

| Elizabeth | Bates | 7300.00 |

| Sundita | Kumar | 6100.00 |

| Ellen | Abel | 11000.00 |

| Alyssa | Hutton | 8800.00 |

| Jonathon | Taylor | 8600.00 |

| Jack | Livingston | 8400.00 |

| Kimberely | Grant | 7000.00 |

| Charles | Johnson | 6200.00 |

| Winston | Taylor | 3200.00 |

| Jean | Fleaur | 3100.00 |

| Martha | Sullivan | 2500.00 |

| Girard | Geoni | 2800.00 |

| Nandita | Sarchand | 4200.00 |

| Alexis | Bull | 4100.00 |

| Julia | Dellinger | 3400.00 |

| Anthony | Cabrio | 3000.00 |

| Kelly | Chung | 3800.00 |

| Jennifer | Dilly | 3600.00 |

| Timothy | Gates | 2900.00 |

| Randall | Perkins | 2500.00 |

| Sarah | Bell | 4000.00 |

| Britney | Everett | 3900.00 |

| Samuel | McCain | 3200.00 |

| Vance | Jones | 2800.00 |

| Alana | Walsh | 3100.00 |

| Kevin | Feeney | 3000.00 |

| Donald | OConnell | 2600.00 |

| Douglas | Grant | 2600.00 |

| Jennifer | Whalen | 4400.00 |

| Pat | Fay | 6000.00 |

| Susan | Mavris | 6500.00 |

| Hermann | Baer | 10000.00 |

| William | Gietz | 8300.00 |

+-------------+-------------+----------+

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager = b.employee);

ERROR 1054 (42S22): Unknown column 'a.manager' in 'where clause'

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id);

+-------------+-------------+-------------+

| employee\_id | first\_name | last\_name |

+-------------+-------------+-------------+

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 132 | TJ | Olson |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 206 | William | Gietz |

+-------------+-------------+-------------+

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees c where c.manager\_id = c.employee\_id AND location\_id IN(select location\_id from locations where country\_id = 'us'))) ;

ERROR 1054 (42S22): Unknown column 'location\_id' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees c where c.manager\_id = c.employee\_id AND location\_id ALL(select location\_id from locations where country\_id = 'us'))) ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'ALL(select location\_id from locations where country\_id = 'us')))' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees c where c.manager\_id = c.employee\_id AND location\_id IN(select location\_id from locations where country\_id = 'us'))) ;

ERROR 1054 (42S22): Unknown column 'location\_id' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> desc loactions;

ERROR 1146 (42S02): Table 'csd2204w18.loactions' doesn't exist

MariaDB [csd2204w18]> desc locations;

+----------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+--------------+------+-----+---------+-------+

| LOCATION\_ID | decimal(4,0) | NO | PRI | 0 | |

| STREET\_ADDRESS | varchar(40) | YES | | NULL | |

| POSTAL\_CODE | varchar(12) | YES | | NULL | |

| CITY | varchar(30) | NO | MUL | NULL | |

| STATE\_PROVINCE | varchar(25) | YES | MUL | NULL | |

| COUNTRY\_ID | varchar(2) | YES | MUL | NULL | |

+----------------+--------------+------+-----+---------+-------+

6 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees c where c.manager\_id = c.employee\_id AND location\_id IN(select location\_id from locations where country\_id = 'us')));

ERROR 1054 (42S22): Unknown column 'location\_id' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees c where c.manager\_id = c.employee\_id AND location\_id IN(select LOCATION\_ID from locations where country\_id = 'us')));

ERROR 1054 (42S22): Unknown column 'location\_id' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees c where c.manager\_id = c.employee\_id AND location\_id IN(select LOCATION\_ID from locations where country\_id = 'us')));

ERROR 1054 (42S22): Unknown column 'location\_id' in 'IN/ALL/ANY subquery'

MariaDB [csd2204w18]> desc employees;

+----------------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------------+--------------+------+-----+---------+-------+

| EMPLOYEE\_ID | decimal(6,0) | NO | PRI | 0 | |

| FIRST\_NAME | varchar(20) | YES | | NULL | |

| LAST\_NAME | varchar(25) | NO | MUL | NULL | |

| EMAIL | varchar(25) | NO | UNI | NULL | |

| PHONE\_NUMBER | varchar(20) | YES | | NULL | |

| HIRE\_DATE | date | NO | | NULL | |

| JOB\_ID | varchar(10) | NO | MUL | NULL | |

| SALARY | decimal(8,2) | YES | | NULL | |

| COMMISSION\_PCT | decimal(2,2) | YES | | NULL | |

| MANAGER\_ID | decimal(6,0) | YES | MUL | NULL | |

| DEPARTMENT\_ID | decimal(4,0) | YES | MUL | NULL | |

+----------------+--------------+------+-----+---------+-------+

11 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees c where c.manager\_id = c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

+-------------+-------------+-------------+

| employee\_id | first\_name | last\_name |

+-------------+-------------+-------------+

| 100 | Steven | King |

| 101 | Neena | Kochhar |

| 102 | Lex | De Haan |

| 103 | Alexander | Hunold |

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 108 | Nancy | Greenberg |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 114 | Den | Raphaely |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 120 | Matthew | Weiss |

| 121 | Adam | Fripp |

| 122 | Payam | Kaufling |

| 123 | Shanta | Vollman |

| 124 | Kevin | Mourgos |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 132 | TJ | Olson |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 148 | Gerald | Cambrault |

| 149 | Eleni | Zlotkey |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 201 | Michael | Hartstein |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 205 | Shelley | Higgins |

| 206 | William | Gietz |

+-------------+-------------+-------------+

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select 'x' from employees c where c.manager\_id = c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

+-------------+-------------+-------------+

| employee\_id | first\_name | last\_name |

+-------------+-------------+-------------+

| 100 | Steven | King |

| 101 | Neena | Kochhar |

| 102 | Lex | De Haan |

| 103 | Alexander | Hunold |

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 108 | Nancy | Greenberg |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 114 | Den | Raphaely |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 120 | Matthew | Weiss |

| 121 | Adam | Fripp |

| 122 | Payam | Kaufling |

| 123 | Shanta | Vollman |

| 124 | Kevin | Mourgos |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 132 | TJ | Olson |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 145 | John | Russell |

| 146 | Karen | Partners |

| 147 | Alberto | Errazuriz |

| 148 | Gerald | Cambrault |

| 149 | Eleni | Zlotkey |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 201 | Michael | Hartstein |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 205 | Shelley | Higgins |

| 206 | William | Gietz |

+-------------+-------------+-------------+

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select 'x' from employees c where c.manager\_id <> c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > ALL(select 'x' from employees c where c.manager\_id <> c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

+-------------+-------------+-------------+

| employee\_id | first\_name | last\_name |

+-------------+-------------+-------------+

| 104 | Bruce | Ernst |

| 105 | David | Austin |

| 106 | Valli | Pataballa |

| 107 | Diana | Lorentz |

| 109 | Daniel | Faviet |

| 110 | John | Chen |

| 111 | Ismael | Sciarra |

| 112 | Jose Manuel | Urman |

| 113 | Luis | Popp |

| 115 | Alexander | Khoo |

| 116 | Shelli | Baida |

| 117 | Sigal | Tobias |

| 118 | Guy | Himuro |

| 119 | Karen | Colmenares |

| 125 | Julia | Nayer |

| 126 | Irene | Mikkilineni |

| 127 | James | Landry |

| 128 | Steven | Markle |

| 129 | Laura | Bissot |

| 130 | Mozhe | Atkinson |

| 131 | James | Marlow |

| 132 | TJ | Olson |

| 133 | Jason | Mallin |

| 134 | Michael | Rogers |

| 135 | Ki | Gee |

| 136 | Hazel | Philtanker |

| 137 | Renske | Ladwig |

| 138 | Stephen | Stiles |

| 139 | John | Seo |

| 140 | Joshua | Patel |

| 141 | Trenna | Rajs |

| 142 | Curtis | Davies |

| 143 | Randall | Matos |

| 144 | Peter | Vargas |

| 150 | Peter | Tucker |

| 151 | David | Bernstein |

| 152 | Peter | Hall |

| 153 | Christopher | Olsen |

| 154 | Nanette | Cambrault |

| 155 | Oliver | Tuvault |

| 156 | Janette | King |

| 157 | Patrick | Sully |

| 158 | Allan | McEwen |

| 159 | Lindsey | Smith |

| 160 | Louise | Doran |

| 161 | Sarath | Sewall |

| 162 | Clara | Vishney |

| 163 | Danielle | Greene |

| 164 | Mattea | Marvins |

| 165 | David | Lee |

| 166 | Sundar | Ande |

| 167 | Amit | Banda |

| 168 | Lisa | Ozer |

| 169 | Harrison | Bloom |

| 170 | Tayler | Fox |

| 171 | William | Smith |

| 172 | Elizabeth | Bates |

| 173 | Sundita | Kumar |

| 174 | Ellen | Abel |

| 175 | Alyssa | Hutton |

| 176 | Jonathon | Taylor |

| 177 | Jack | Livingston |

| 178 | Kimberely | Grant |

| 179 | Charles | Johnson |

| 180 | Winston | Taylor |

| 181 | Jean | Fleaur |

| 182 | Martha | Sullivan |

| 183 | Girard | Geoni |

| 184 | Nandita | Sarchand |

| 185 | Alexis | Bull |

| 186 | Julia | Dellinger |

| 187 | Anthony | Cabrio |

| 188 | Kelly | Chung |

| 189 | Jennifer | Dilly |

| 190 | Timothy | Gates |

| 191 | Randall | Perkins |

| 192 | Sarah | Bell |

| 193 | Britney | Everett |

| 194 | Samuel | McCain |

| 195 | Vance | Jones |

| 196 | Alana | Walsh |

| 197 | Kevin | Feeney |

| 198 | Donald | OConnell |

| 199 | Douglas | Grant |

| 200 | Jennifer | Whalen |

| 202 | Pat | Fay |

| 203 | Susan | Mavris |

| 204 | Hermann | Baer |

| 206 | William | Gietz |

+-------------+-------------+-------------+

89 rows in set, 1 warning (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > ALL(select 'x' from employees c where c.manager\_id <> c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

89 rows in set, 1 warning (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > ALL(select 'x' from employees c where c.manager\_i= c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

ERROR 1054 (42S22): Unknown column 'c.manager\_i' in 'where clause'

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > ALL(select 'x' from employees c where c.manager\_id= c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

89 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > Any(select 'x' from employees c where c.manager\_id= c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select 'x' from employees c where c.manager\_id= c.employee\_id AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > ANY (select manager\_id from employees where manager\_id IN(employee\_id) AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where(employee\_id IN(select manager\_id from employees AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AND department\_id IN(select department\_ID from departments where location\_id IN(' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US'))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AND department\_id IN(select department\_ID from departments where location\_id IN(' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees AND department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AND department\_id IN(select department\_ID from departments where location\_id IN(' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US')))));

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > Any(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US')))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary >(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN(select location\_id from locations where country\_id = 'US')))));

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary >(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN All(select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'All(select location\_id from locations where country\_id = 'US')))))' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > IN(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'IN(select salary from employees where employee\_id IN(select manager\_id from empl' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select 'x' from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > Any (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

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| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

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| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

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| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

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| 171 | William | Smith | 7400.00 |

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| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT EXISTS(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > Any (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT IN(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > Any (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'IN(select first\_name from employees a where a.manager\_id = b.employee\_id AND sal' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where NOT IN(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'IN(select first\_name from employees a where a.manager\_id = b.employee\_id AND sal' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where first\_name NOT IN(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > (select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1242 (21000): Subquery returns more than 1 row

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where first\_name NOT IN(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > Any(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where first\_name NOT IN(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > All(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

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| 100 | Steven | King | 24000.00 |

| 101 | Neena | Kochhar | 17000.00 |

| 102 | Lex | De Haan | 17000.00 |

| 103 | Alexander | Hunold | 9000.00 |

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 145 | John | Russell | 14000.00 |

| 146 | Karen | Partners | 13500.00 |

| 147 | Alberto | Errazuriz | 12000.00 |

| 148 | Gerald | Cambrault | 11000.00 |

| 149 | Eleni | Zlotkey | 10500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 201 | Michael | Hartstein | 13000.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

107 rows in set (0.02 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where first\_name NOT IN(select manager\_id from employees a where employee\_id NOT IN(select manager\_id AND salary > All(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where first\_name NOT IN(select first\_name from employees a where a.manager\_id = b.employee\_id AND salary > All(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

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| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 108 | Nancy | Greenberg | 12000.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

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| 113 | Luis | Popp | 6900.00 |

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| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

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| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

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| 142 | Curtis | Davies | 3100.00 |

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| 205 | Shelley | Higgins | 12000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

107 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where first\_name NOT IN(select manager\_id from employees AND salary > All(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AND salary > All(select salary from employees where employee\_id IN(select manage' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where first\_name NOT IN(select manager\_id from employees a where employee\_id NOT IN(select manager\_id AND salary > All(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [csd2204w18]> select b.employee\_id,salary from employees where (salary > Any(select salary from employees where(employee\_id IN(select manager\_id from employees)) AND department\_id IN(select department\_id from departments where location\_id IN(select location\_id from locations where country\_id ='US')))) AND employee\_id NOT IN(select manager\_id from employees);

ERROR 1054 (42S22): Unknown column 'b.employee\_id' in 'field list'

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > Any(select salary from employees where(employee\_id IN(select manager\_id from employees)) AND department\_id IN(select department\_id from departments where location\_id IN(select location\_id from locations where country\_id ='US')))) AND employee\_id NOT IN(select manager\_id from employees);

+-------------+----------+

| employee\_id | salary |

+-------------+----------+

| 104 | 6000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

+-------------+----------+

40 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where employee\_id NOT IN(select manager\_id from employees AND salary > All(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AND salary > All(select salary from employees where employee\_id IN(select manage' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where employee\_id NOT IN(select manager\_id from employees AND salary > Any(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'AND salary > Any(select salary from employees where employee\_id IN(select manage' at line 1

MariaDB [csd2204w18]> select b.employee\_id,b.first\_name,b.last\_name,b.salary from employees b where employee\_id NOT IN(select manager\_id from employees where salary > Any(select salary from employees where employee\_id IN(select manager\_id from employees where department\_id IN(select department\_ID from departments where location\_id IN (select location\_id from locations where country\_id = 'US')))));

+-------------+-------------+-------------+----------+

| employee\_id | first\_name | last\_name | salary |

+-------------+-------------+-------------+----------+

| 104 | Bruce | Ernst | 6000.00 |

| 105 | David | Austin | 4800.00 |

| 106 | Valli | Pataballa | 4800.00 |

| 107 | Diana | Lorentz | 4200.00 |

| 109 | Daniel | Faviet | 9000.00 |

| 110 | John | Chen | 8200.00 |

| 111 | Ismael | Sciarra | 7700.00 |

| 112 | Jose Manuel | Urman | 7800.00 |

| 113 | Luis | Popp | 6900.00 |

| 114 | Den | Raphaely | 11000.00 |

| 115 | Alexander | Khoo | 3100.00 |

| 116 | Shelli | Baida | 2900.00 |

| 117 | Sigal | Tobias | 2800.00 |

| 118 | Guy | Himuro | 2600.00 |

| 119 | Karen | Colmenares | 2500.00 |

| 120 | Matthew | Weiss | 8000.00 |

| 121 | Adam | Fripp | 8200.00 |

| 122 | Payam | Kaufling | 7900.00 |

| 123 | Shanta | Vollman | 6500.00 |

| 124 | Kevin | Mourgos | 5800.00 |

| 125 | Julia | Nayer | 3200.00 |

| 126 | Irene | Mikkilineni | 2700.00 |

| 127 | James | Landry | 2400.00 |

| 128 | Steven | Markle | 2200.00 |

| 129 | Laura | Bissot | 3300.00 |

| 130 | Mozhe | Atkinson | 2800.00 |

| 131 | James | Marlow | 2500.00 |

| 132 | TJ | Olson | 2100.00 |

| 133 | Jason | Mallin | 3300.00 |

| 134 | Michael | Rogers | 2900.00 |

| 135 | Ki | Gee | 2400.00 |

| 136 | Hazel | Philtanker | 2200.00 |

| 137 | Renske | Ladwig | 3600.00 |

| 138 | Stephen | Stiles | 3200.00 |

| 139 | John | Seo | 2700.00 |

| 140 | Joshua | Patel | 2500.00 |

| 141 | Trenna | Rajs | 3500.00 |

| 142 | Curtis | Davies | 3100.00 |

| 143 | Randall | Matos | 2600.00 |

| 144 | Peter | Vargas | 2500.00 |

| 150 | Peter | Tucker | 10000.00 |

| 151 | David | Bernstein | 9500.00 |

| 152 | Peter | Hall | 9000.00 |

| 153 | Christopher | Olsen | 8000.00 |

| 154 | Nanette | Cambrault | 7500.00 |

| 155 | Oliver | Tuvault | 7000.00 |

| 156 | Janette | King | 10000.00 |

| 157 | Patrick | Sully | 9500.00 |

| 158 | Allan | McEwen | 9000.00 |

| 159 | Lindsey | Smith | 8000.00 |

| 160 | Louise | Doran | 7500.00 |

| 161 | Sarath | Sewall | 7000.00 |

| 162 | Clara | Vishney | 10500.00 |

| 163 | Danielle | Greene | 9500.00 |

| 164 | Mattea | Marvins | 7200.00 |

| 165 | David | Lee | 6800.00 |

| 166 | Sundar | Ande | 6400.00 |

| 167 | Amit | Banda | 6200.00 |

| 168 | Lisa | Ozer | 11500.00 |

| 169 | Harrison | Bloom | 10000.00 |

| 170 | Tayler | Fox | 9600.00 |

| 171 | William | Smith | 7400.00 |

| 172 | Elizabeth | Bates | 7300.00 |

| 173 | Sundita | Kumar | 6100.00 |

| 174 | Ellen | Abel | 11000.00 |

| 175 | Alyssa | Hutton | 8800.00 |

| 176 | Jonathon | Taylor | 8600.00 |

| 177 | Jack | Livingston | 8400.00 |

| 178 | Kimberely | Grant | 7000.00 |

| 179 | Charles | Johnson | 6200.00 |

| 180 | Winston | Taylor | 3200.00 |

| 181 | Jean | Fleaur | 3100.00 |

| 182 | Martha | Sullivan | 2500.00 |

| 183 | Girard | Geoni | 2800.00 |

| 184 | Nandita | Sarchand | 4200.00 |

| 185 | Alexis | Bull | 4100.00 |

| 186 | Julia | Dellinger | 3400.00 |

| 187 | Anthony | Cabrio | 3000.00 |

| 188 | Kelly | Chung | 3800.00 |

| 189 | Jennifer | Dilly | 3600.00 |

| 190 | Timothy | Gates | 2900.00 |

| 191 | Randall | Perkins | 2500.00 |

| 192 | Sarah | Bell | 4000.00 |

| 193 | Britney | Everett | 3900.00 |

| 194 | Samuel | McCain | 3200.00 |

| 195 | Vance | Jones | 2800.00 |

| 196 | Alana | Walsh | 3100.00 |

| 197 | Kevin | Feeney | 3000.00 |

| 198 | Donald | OConnell | 2600.00 |

| 199 | Douglas | Grant | 2600.00 |

| 200 | Jennifer | Whalen | 4400.00 |

| 202 | Pat | Fay | 6000.00 |

| 203 | Susan | Mavris | 6500.00 |

| 204 | Hermann | Baer | 10000.00 |

| 206 | William | Gietz | 8300.00 |

+-------------+-------------+-------------+----------+

95 rows in set (0.00 sec)

MariaDB [csd2204w18]> select b.employee\_id,salary from employees where (salary > Any(select salary from employees where(employee\_id IN(select manager\_id from employees)) AND department\_id IN(select department\_id from departments where location\_id IN(select location\_id from locations where country\_id ='US')))) AND employee\_id NOT IN(select manager\_id from employees);

ERROR 1054 (42S22): Unknown column 'b.employee\_id' in 'field list'

MariaDB [csd2204w18]> select employee\_id,salary from employees where (salary > Any(select salary from employees where(employee\_id IN(select manager\_id from employees)) AND department\_id IN(select department\_id from departments where location\_id IN(select location\_id from locations where country\_id ='US')))) AND employee\_id NOT IN(select manager\_id from employees);

+-------------+----------+

| employee\_id | salary |

+-------------+----------+

| 104 | 6000.00 |

| 109 | 9000.00 |

| 110 | 8200.00 |

| 111 | 7700.00 |

| 112 | 7800.00 |

| 113 | 6900.00 |

| 150 | 10000.00 |

| 151 | 9500.00 |

| 152 | 9000.00 |

| 153 | 8000.00 |

| 154 | 7500.00 |

| 155 | 7000.00 |

| 156 | 10000.00 |

| 157 | 9500.00 |

| 158 | 9000.00 |

| 159 | 8000.00 |

| 160 | 7500.00 |

| 161 | 7000.00 |

| 162 | 10500.00 |

| 163 | 9500.00 |

| 164 | 7200.00 |

| 165 | 6800.00 |

| 166 | 6400.00 |

| 167 | 6200.00 |

| 168 | 11500.00 |

| 169 | 10000.00 |

| 170 | 9600.00 |

| 171 | 7400.00 |

| 172 | 7300.00 |

| 173 | 6100.00 |

| 174 | 11000.00 |

| 175 | 8800.00 |

| 176 | 8600.00 |

| 177 | 8400.00 |

| 178 | 7000.00 |

| 179 | 6200.00 |

| 202 | 6000.00 |

| 203 | 6500.00 |

| 204 | 10000.00 |

| 206 | 8300.00 |

+-------------+----------+

40 rows in set (0.00 sec)

MariaDB [csd2204w18]> set @i=0;select i,employee\_id from (select @i := @i + 1 AS i, employee\_id from employees) a where MOD(a.i,2) = 0;

Query OK, 0 rows affected (0.00 sec)

+------+-------------+

| i | employee\_id |

+------+-------------+

| 2 | 101 |

| 4 | 103 |

| 6 | 105 |

| 8 | 107 |

| 10 | 109 |

| 12 | 111 |

| 14 | 113 |

| 16 | 115 |

| 18 | 117 |

| 20 | 119 |

| 22 | 121 |

| 24 | 123 |

| 26 | 125 |

| 28 | 127 |

| 30 | 129 |

| 32 | 131 |

| 34 | 133 |

| 36 | 135 |

| 38 | 137 |

| 40 | 139 |

| 42 | 141 |

| 44 | 143 |

| 46 | 145 |

| 48 | 147 |

| 50 | 149 |

| 52 | 151 |

| 54 | 153 |

| 56 | 155 |

| 58 | 157 |

| 60 | 159 |

| 62 | 161 |

| 64 | 163 |

| 66 | 165 |

| 68 | 167 |

| 70 | 169 |

| 72 | 171 |

| 74 | 173 |

| 76 | 175 |

| 78 | 177 |

| 80 | 179 |

| 82 | 181 |

| 84 | 183 |

| 86 | 185 |

| 88 | 187 |

| 90 | 189 |

| 92 | 191 |

| 94 | 193 |

| 96 | 195 |

| 98 | 197 |

| 100 | 199 |

| 102 | 201 |

| 104 | 203 |

| 106 | 205 |

+------+-------------+

53 rows in set (0.00 sec)

MariaDB [csd2204w18]> SELECT DISTINCT salary FROM employees e1

-> WHERE 5 = (SELECT COUNT(DISTINCT salary)

-> FROM employees e2

-> WHERE e2.salary >= e1.salary);

+----------+

| salary |

+----------+

| 13000.00 |

+----------+

1 row in set (0.00 sec)

MariaDB [csd2204w18]> SELECT DISTINCT salary FROM employees e1

-> WHERE 4 = (SELECT COUNT(DISTINCT salary)

-> FROM employees e2

-> WHERE e2.salary <= e1.salary);

+---------+

| salary |

+---------+

| 2500.00 |

+---------+

1 row in set (0.01 sec)

MariaDB [csd2204w18]> SELECT \* FROM (SELECT \* FROM employees

-> ORDER BY employee\_id DESC LIMIT 10) sub

-> ORDER BY employee\_id ASC;

+-------------+------------+-----------+----------+--------------+------------+------------+----------+----------------+------------+---------------+

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT | MANAGER\_ID | DEPARTMENT\_ID |

+-------------+------------+-----------+----------+--------------+------------+------------+----------+----------------+------------+---------------+

| 197 | Kevin | Feeney | KFEENEY | 650.507.9822 | 1987-09-22 | SH\_CLERK | 3000.00 | 0.00 | 124 | 50 |

| 198 | Donald | OConnell | DOCONNEL | 650.507.9833 | 1987-09-23 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 199 | Douglas | Grant | DGRANT | 650.507.9844 | 1987-09-24 | SH\_CLERK | 2600.00 | 0.00 | 124 | 50 |

| 200 | Jennifer | Whalen | JWHALEN | 515.123.4444 | 1987-09-25 | AD\_ASST | 4400.00 | 0.00 | 101 | 10 |

| 201 | Michael | Hartstein | MHARTSTE | 515.123.5555 | 1987-09-26 | MK\_MAN | 13000.00 | 0.00 | 100 | 20 |

| 202 | Pat | Fay | PFAY | 603.123.6666 | 1987-09-27 | MK\_REP | 6000.00 | 0.00 | 201 | 20 |

| 203 | Susan | Mavris | SMAVRIS | 515.123.7777 | 1987-09-28 | HR\_REP | 6500.00 | 0.00 | 101 | 40 |

| 204 | Hermann | Baer | HBAER | 515.123.8888 | 1987-09-29 | PR\_REP | 10000.00 | 0.00 | 101 | 70 |

| 205 | Shelley | Higgins | SHIGGINS | 515.123.8080 | 1987-09-30 | AC\_MGR | 12000.00 | 0.00 | 101 | 110 |

| 206 | William | Gietz | WGIETZ | 515.123.8181 | 1987-10-01 | AC\_ACCOUNT | 8300.00 | 0.00 | 205 | 110 |

+-------------+------------+-----------+----------+--------------+------------+------------+----------+----------------+------------+---------------+

10 rows in set (0.00 sec)

MariaDB [csd2204w18]> SELECT \* FROM departments

-> WHERE department\_id NOT IN (select

-> department\_id FROM employees);

+---------------+----------------------+------------+-------------+

| DEPARTMENT\_ID | DEPARTMENT\_NAME | MANAGER\_ID | LOCATION\_ID |

+---------------+----------------------+------------+-------------+

| 120 | Treasury | 0 | 1700 |

| 130 | Corporate Tax | 0 | 1700 |

| 140 | Control And Credit | 0 | 1700 |

| 150 | Shareholder Services | 0 | 1700 |

| 160 | Benefits | 0 | 1700 |

| 170 | Manufacturing | 0 | 1700 |

| 180 | Construction | 0 | 1700 |

| 190 | Contracting | 0 | 1700 |

| 200 | Operations | 0 | 1700 |

| 210 | IT Support | 0 | 1700 |

| 220 | NOC | 0 | 1700 |

| 230 | IT Helpdesk | 0 | 1700 |

| 240 | Government Sales | 0 | 1700 |

| 250 | Retail Sales | 0 | 1700 |

| 260 | Recruiting | 0 | 1700 |

| 270 | Payroll | 0 | 1700 |

+---------------+----------------------+------------+-------------+

16 rows in set (0.00 sec)

MariaDB [csd2204w18]> SELECT DISTINCT salary FROM employees a

-> WHERE 3 >= (SELECT COUNT(DISTINCT salary)

-> FROM employees b

-> WHERE b.salary >= a.salary)

-> ORDER BY a.salary DESC;

+----------+

| salary |

+----------+

| 24000.00 |

| 17000.00 |

| 14000.00 |

+----------+

3 rows in set (0.01 sec)

MariaDB [csd2204w18]> SELECT DISTINCT salary FROM employees a

-> WHERE 3 >= (SELECT COUNT(DISTINCT salary)

-> FROM employees b

-> WHERE b.salary <= a.salary)

-> ORDER BY a.salary DESC;

+---------+

| salary |

+---------+

| 2400.00 |

| 2200.00 |

| 2100.00 |

+---------+

3 rows in set (0.00 sec)

MariaDB [csd2204w18]> SELECT \* FROM employees emp1

-> WHERE (5) = (SELECT COUNT(DISTINCT(emp2.salary))

-> FROM employees emp2

-> WHERE emp2.salary > emp1.salary);

+-------------+------------+-----------+----------+--------------------+------------+--------+----------+----------------+------------+---------------+

| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | EMAIL | PHONE\_NUMBER | HIRE\_DATE | JOB\_ID | SALARY | COMMISSION\_PCT | MANAGER\_ID | DEPARTMENT\_ID |

+-------------+------------+-----------+----------+--------------------+------------+--------+----------+----------------+------------+---------------+

| 108 | Nancy | Greenberg | NGREENBE | 515.124.4569 | 1987-06-25 | FI\_MGR | 12000.00 | 0.00 | 101 | 100 |

| 147 | Alberto | Errazuriz | AERRAZUR | 011.44.1344.429278 | 1987-08-03 | SA\_MAN | 12000.00 | 0.30 | 100 | 80 |

| 205 | Shelley | Higgins | SHIGGINS | 515.123.8080 | 1987-09-30 | AC\_MGR | 12000.00 | 0.00 | 101 | 110 |

+-------------+------------+-----------+----------+--------------------+------------+--------+----------+----------------+------------+---------------+

3 rows in set (0.00 sec)

MariaDB [csd2204w18]>