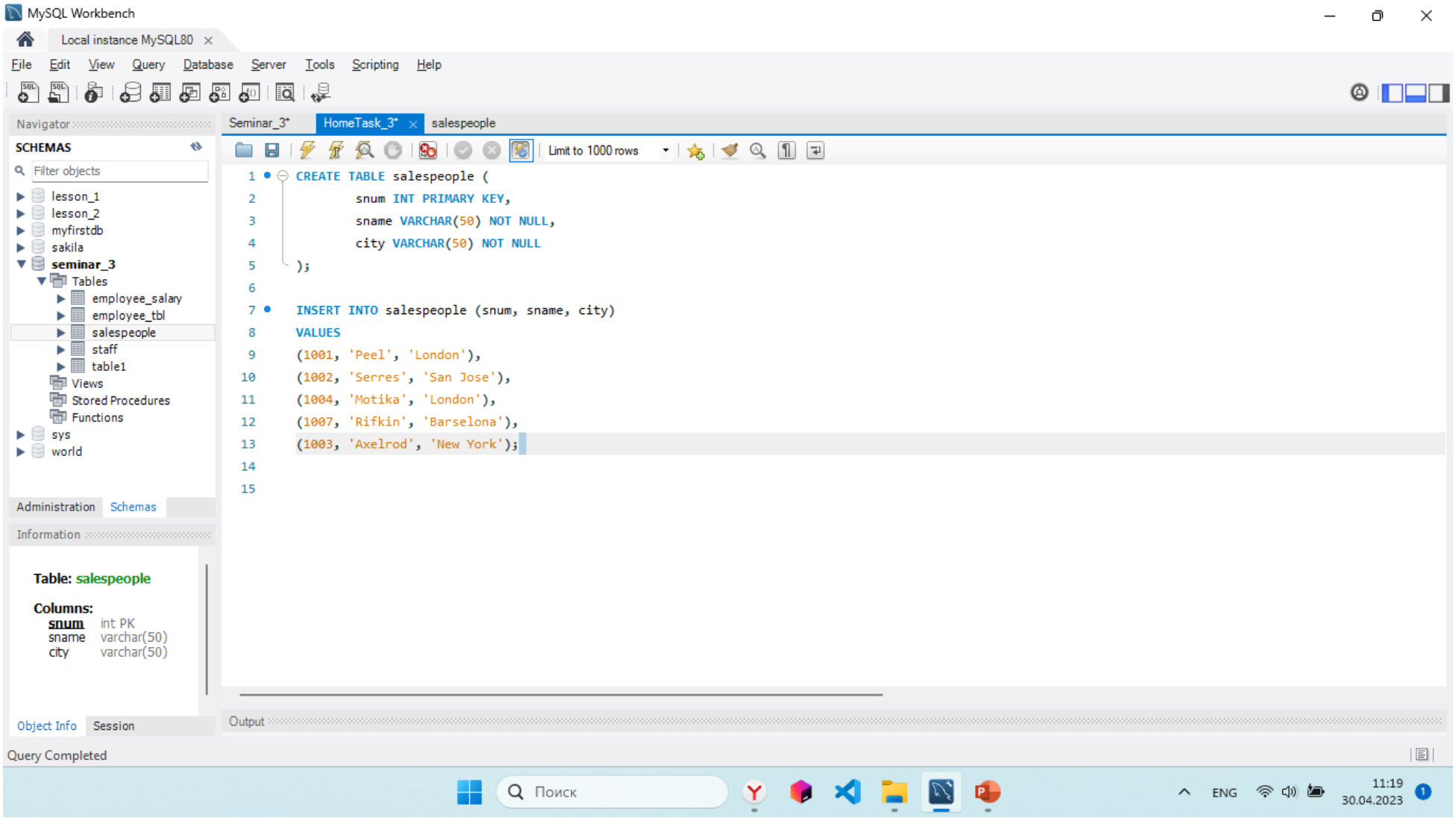
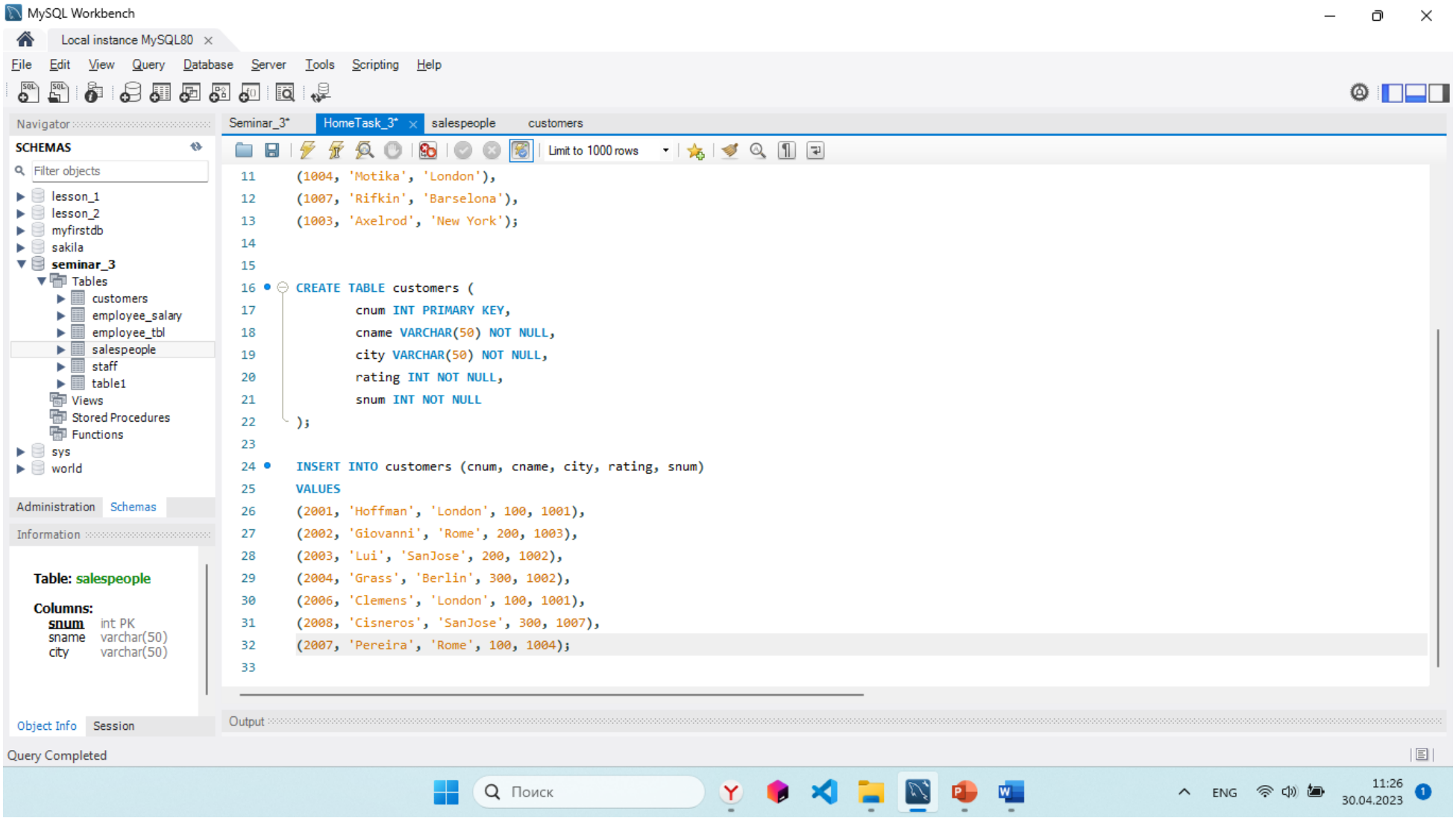
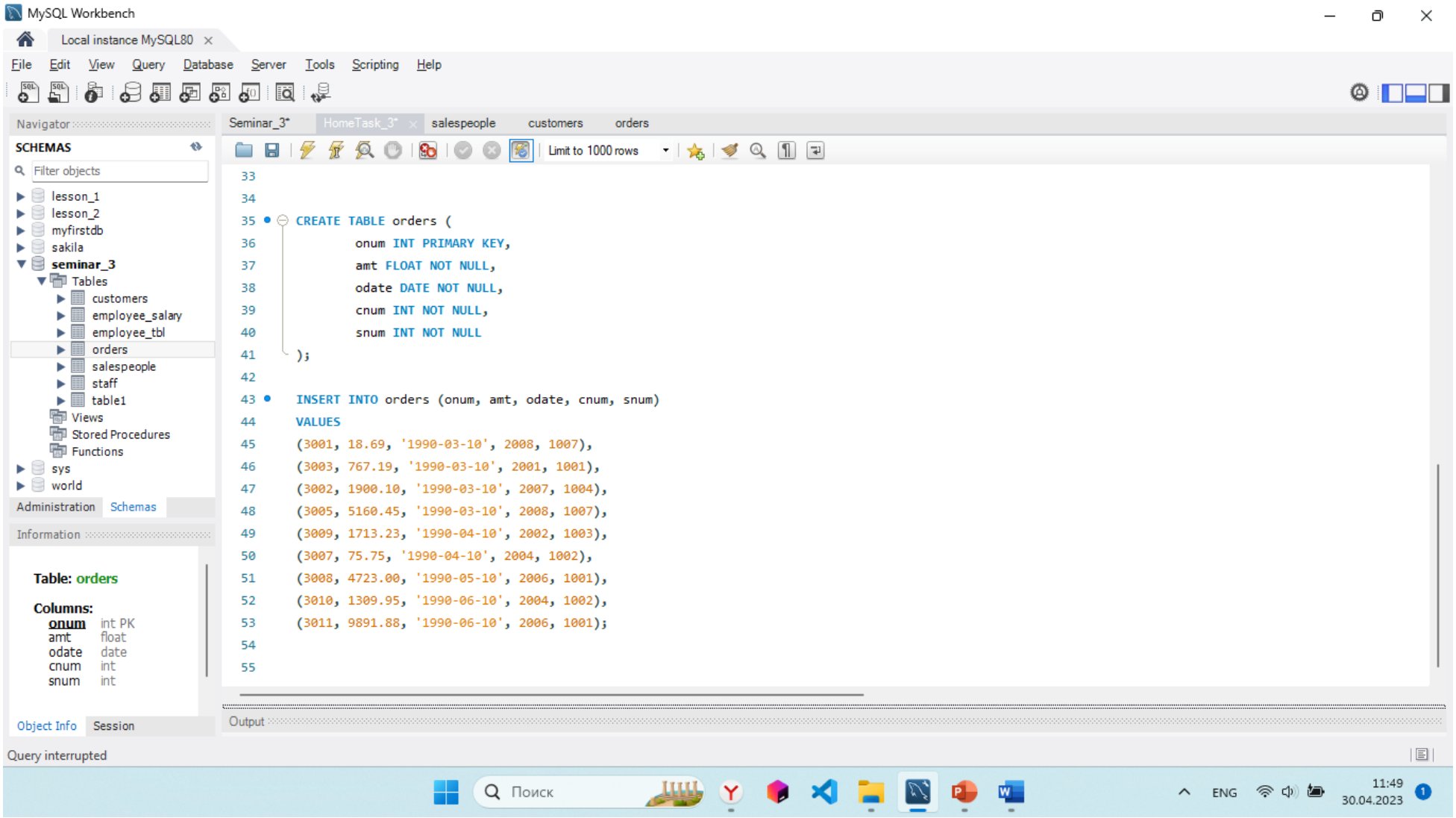
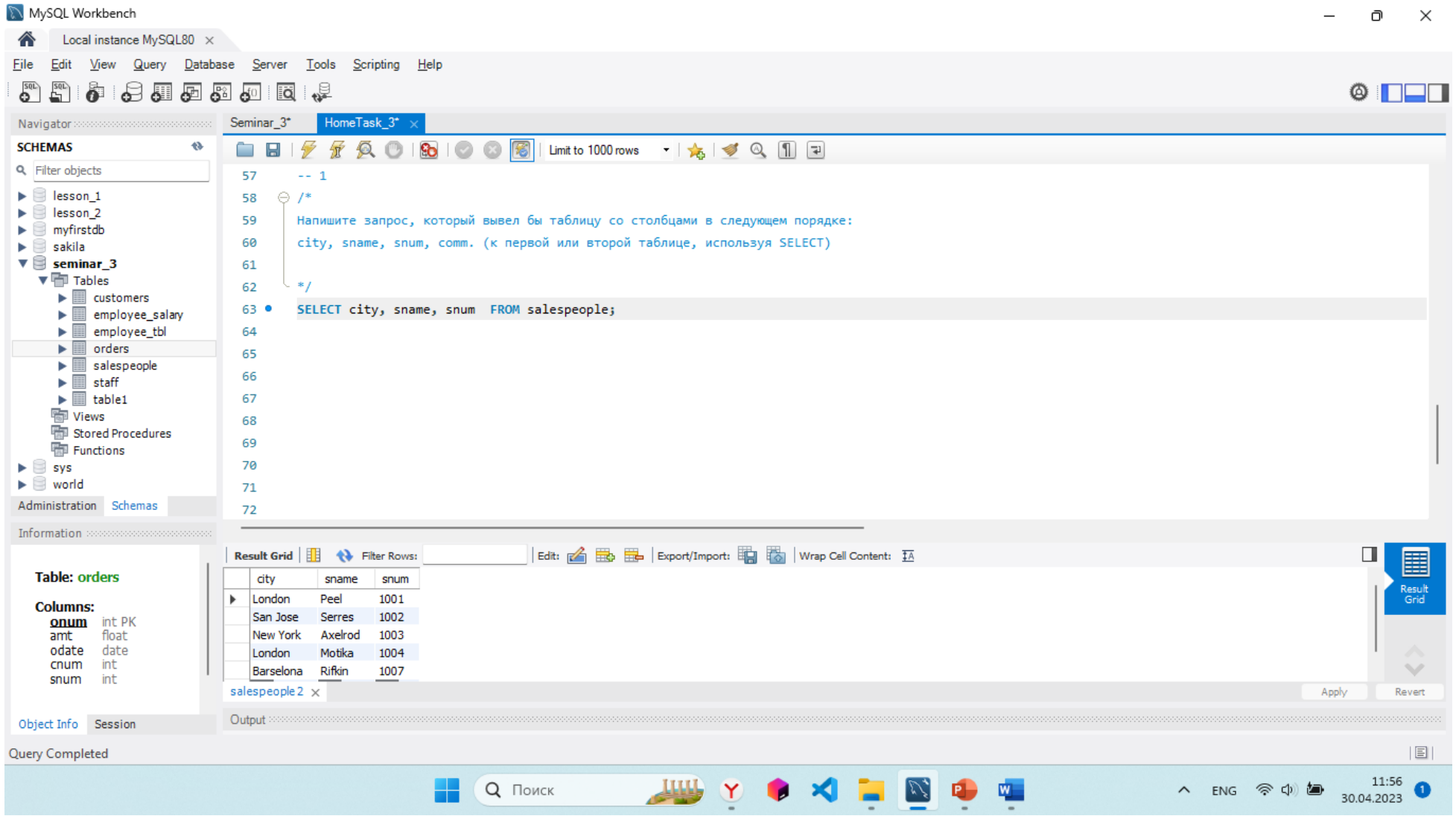
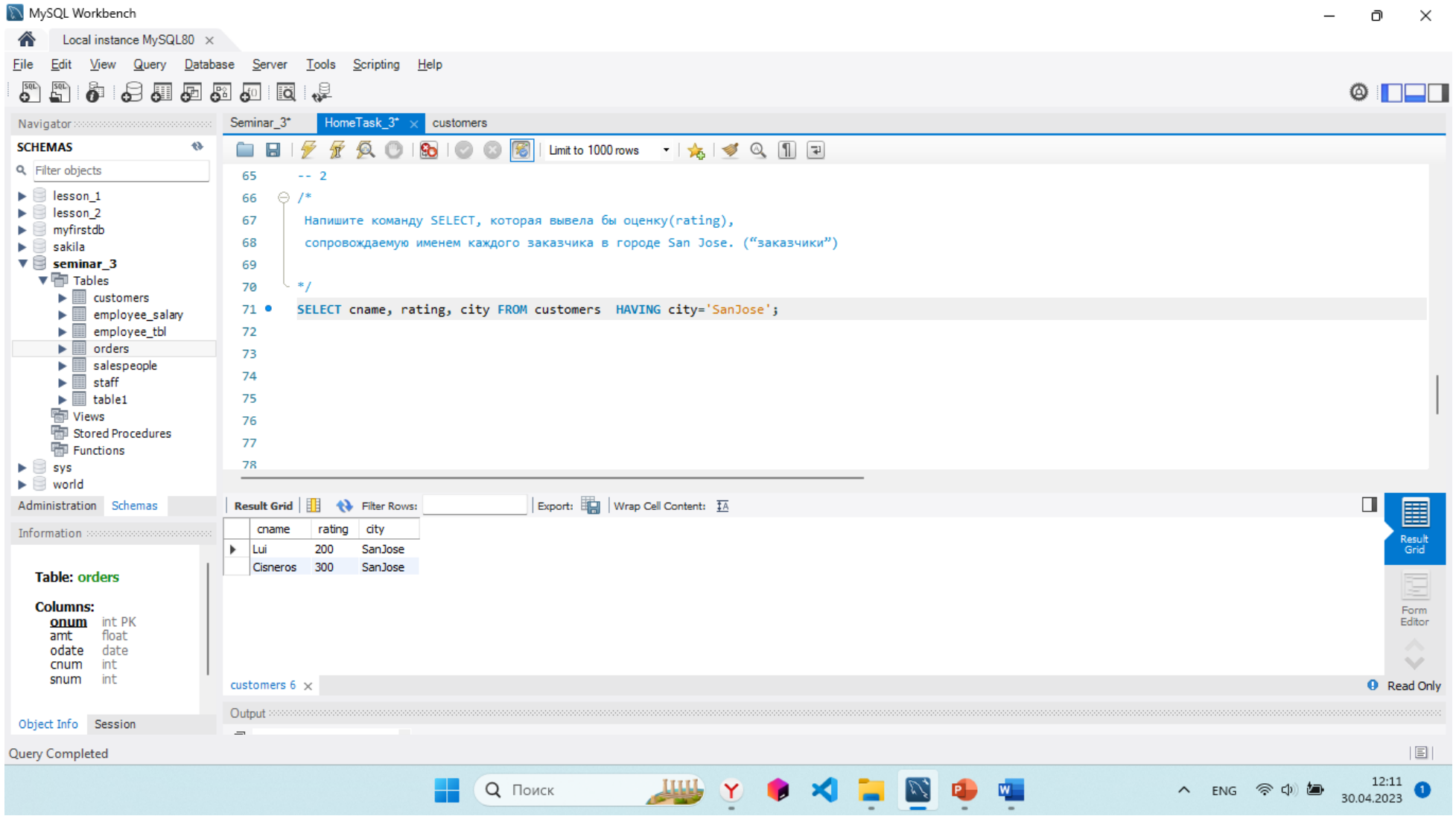
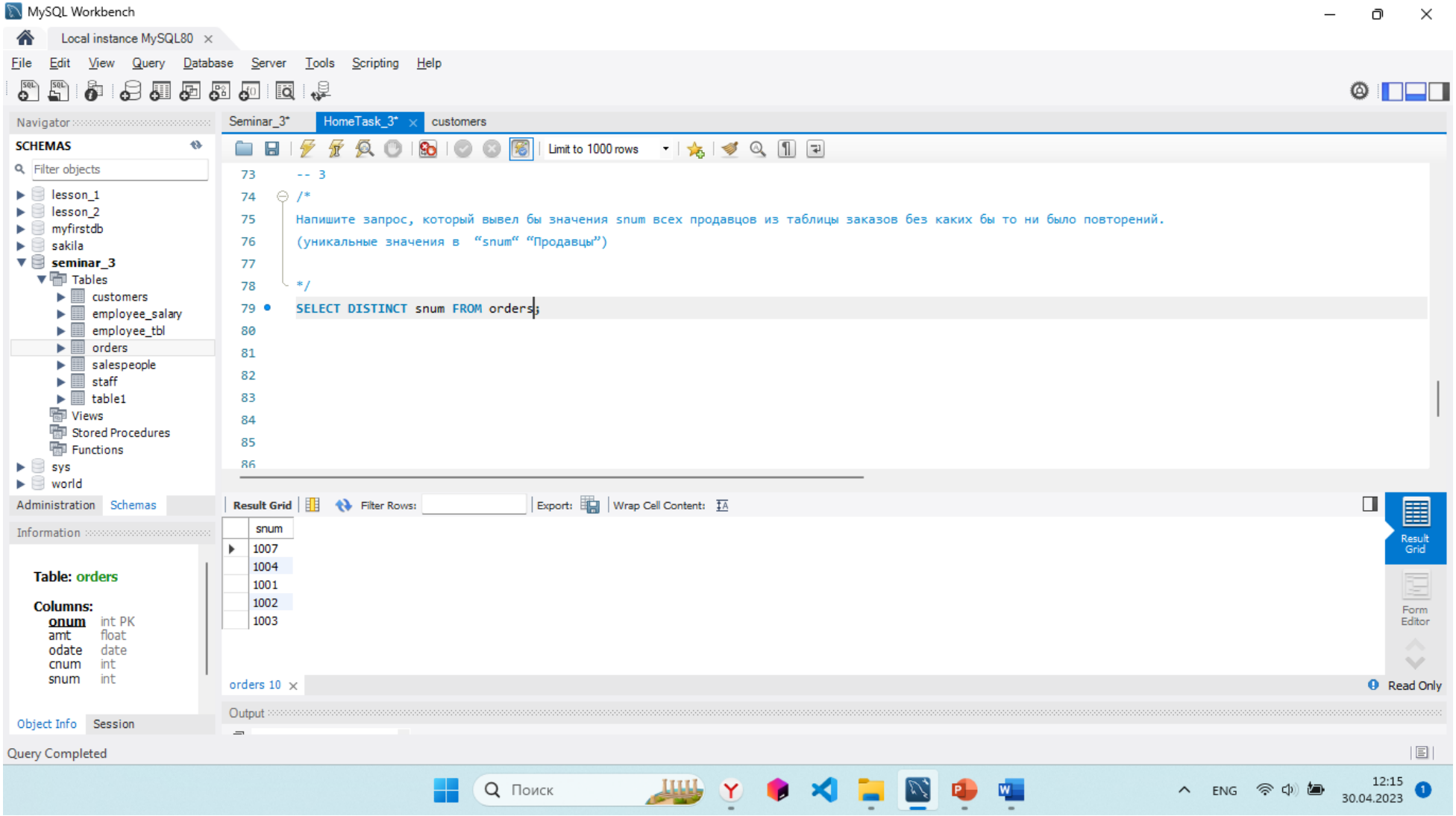

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
employee_salary
employee_tbl
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: salespeople
Columns:
snum int PK
sname varchar(50)
city varchar(50)
Object Info Session
Seminar_3* HomeTask_3* salespeople
Limit to 1000 rows
1 CREATE TABLE salespeople (
2 snum INT PRIMARY KEY,
3 sname VARCHAR(50) NOT NULL,
4 city VARCHAR(50) NOT NULL
5);
6
7 INSERT INTO salespeople (snum, sname, city)
8 VALUES
9 (1001, 'Peel', 'London'),
10 (1002, 'Serres', 'San Jose'),
11 (1004, 'Motika', 'London'),
12 (1007, 'Rifkin', 'Barselona'),
13 (1003, 'Axelrod', 'New York');
14
15
Output
Query Completed
Поиск
ENG
11:19
30.04.2023

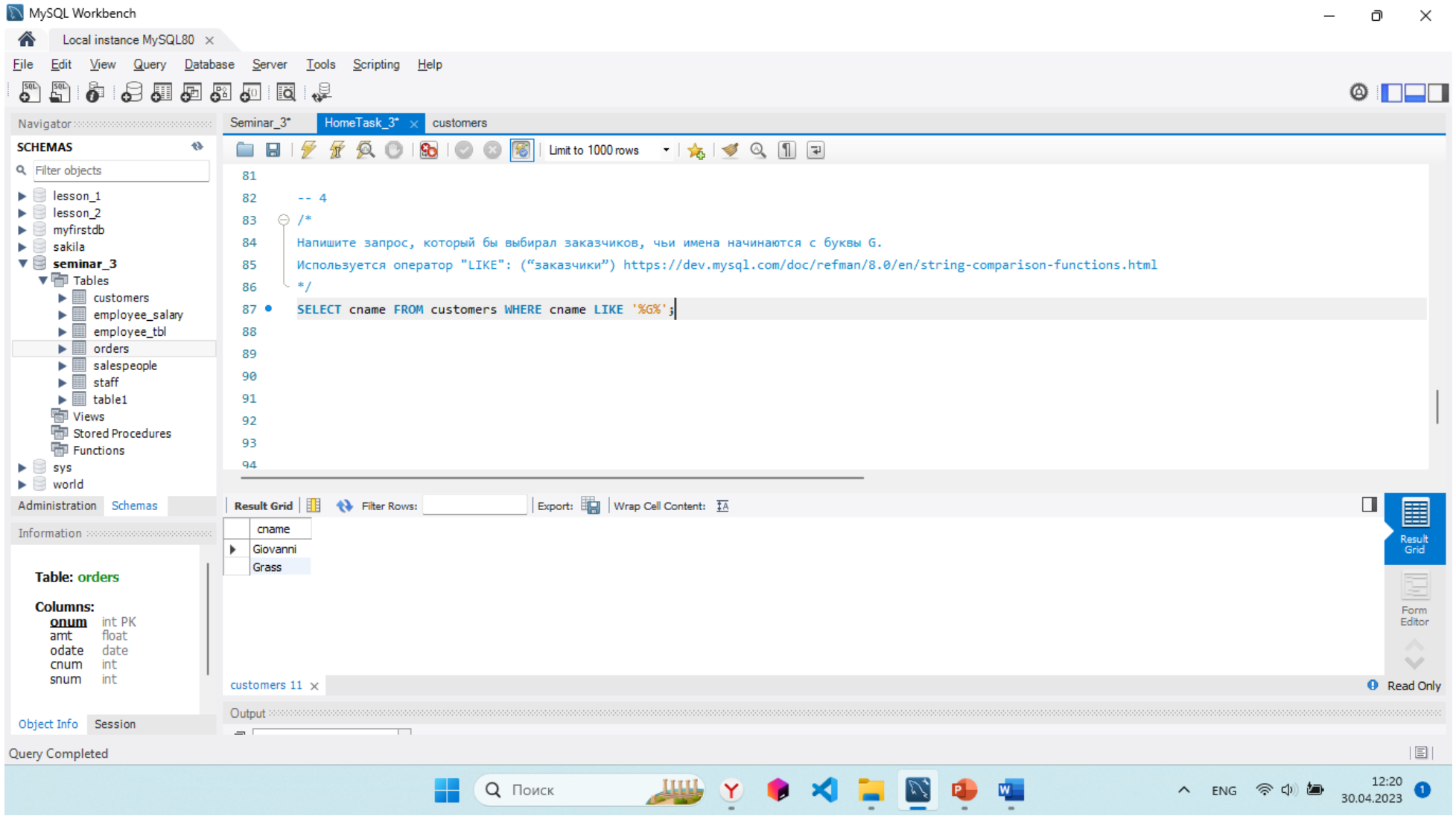

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: salespeople
Columns:
snum int PK
sname varchar(50)
city varchar(50)
Object Info Session
Seminar_3* HomeTask_3* salespeople customers
Limit to 1000 rows
(1004, 'Motika', 'London'),
(1007, 'Rifkin', 'Barselona'),
(1003, 'Axelrod', 'New York');
CREATE TABLE customers (
cnum INT PRIMARY KEY,
cname VARCHAR(50) NOT NULL,
city VARCHAR(50) NOT NULL,
rating INT NOT NULL,
snum INT NOT NULL
);
INSERT INTO customers (cnum, cname, city, rating, snum)
VALUES
(2001, 'Hoffman', 'London', 100, 1001),
(2002, 'Giovanni', 'Rome', 200, 1003),
(2003, 'Lui', 'SanJose', 200, 1002),
(2004, 'Grass', 'Berlin', 300, 1002),
(2006, 'Clemens', 'London', 100, 1001),
(2008, 'Cisneros', 'SanJose', 300, 1007),
(2007, 'Pereira', 'Rome', 100, 1004);
Output
Query Completed
Поиск
ENG
11:26
30.04.2023

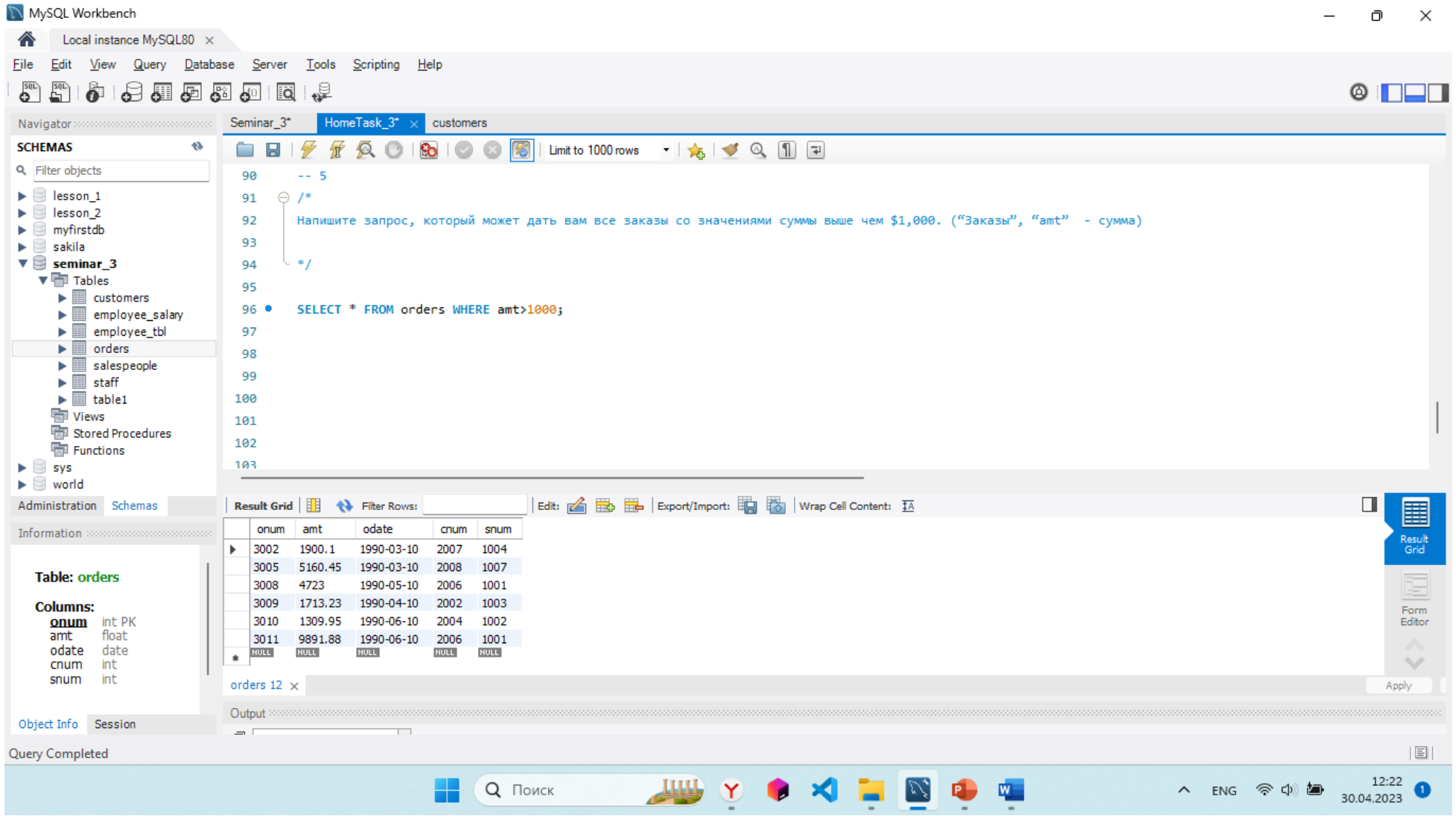

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3* HomeTask_3* salespeople customers orders
Limit to 1000 rows
33
34
35 CREATE TABLE orders (
36 onum INT PRIMARY KEY,
37 amt FLOAT NOT NULL,
38 odate DATE NOT NULL,
39 cnum INT NOT NULL,
40 snum INT NOT NULL
41);
42
43 INSERT INTO orders (onum, amt, odate, cnum, snum)
44 VALUES
45 (3001, 18.69, '1990-03-10', 2008, 1007),
46 (3003, 767.19, '1990-03-10', 2001, 1001),
47 (3002, 1900.10, '1990-03-10', 2007, 1004),
48 (3005, 5160.45, '1990-03-10', 2008, 1007),
49 (3009, 1713.23, '1990-04-10', 2002, 1003),
50 (3007, 75.75, '1990-04-10', 2004, 1002),
51 (3008, 4723.00, '1990-05-10', 2006, 1001),
52 (3010, 1309.95, '1990-06-10', 2004, 1002),
53 (3011, 9891.88, '1990-06-10', 2006, 1001);
54
55
Output
Query interrupted
Поиск
ENG
11:49
30.04.2023

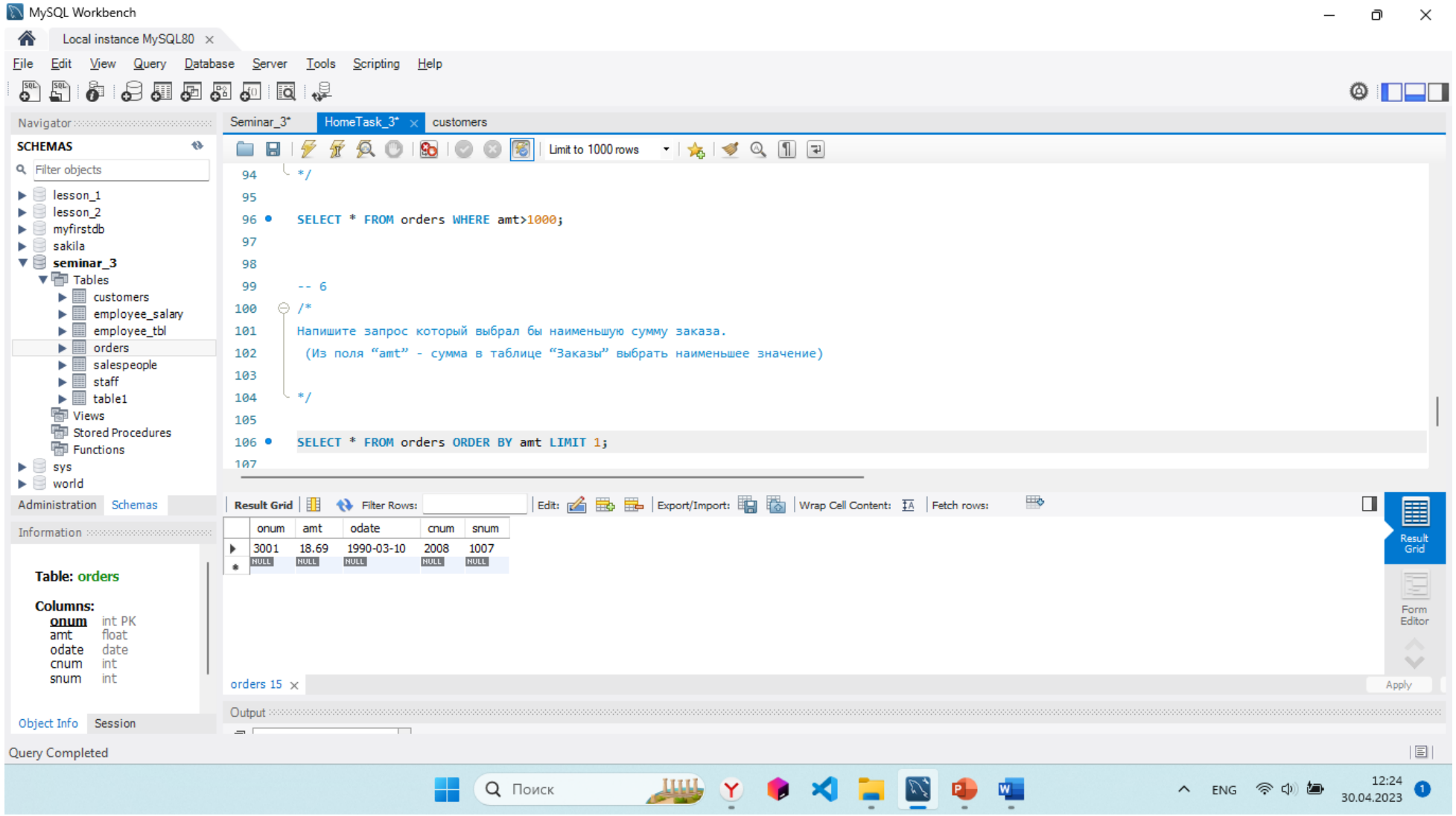

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3*
HomeTask_3*
Limit to 1000 rows
57 -- 1
58 /*
59 Напишите запрос, который вывел бы таблицу со столбцами в следующем порядке:
60 city, sname, snum, comm. (к первой или второй таблице, используя SELECT)
61
62 */
63 SELECT city, sname, snum FROM salespeople;
64
65
66
67
68
69
70
71
72
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
city sname snum
London Peel 1001
San Jose Serres 1002
New York Axelrod 1003
London Motika 1004
Barselona Rifkin 1007
salespeople 2
Apply
Revert
Output
Query Completed
Поиск
ENG
11:56
30.04.2023

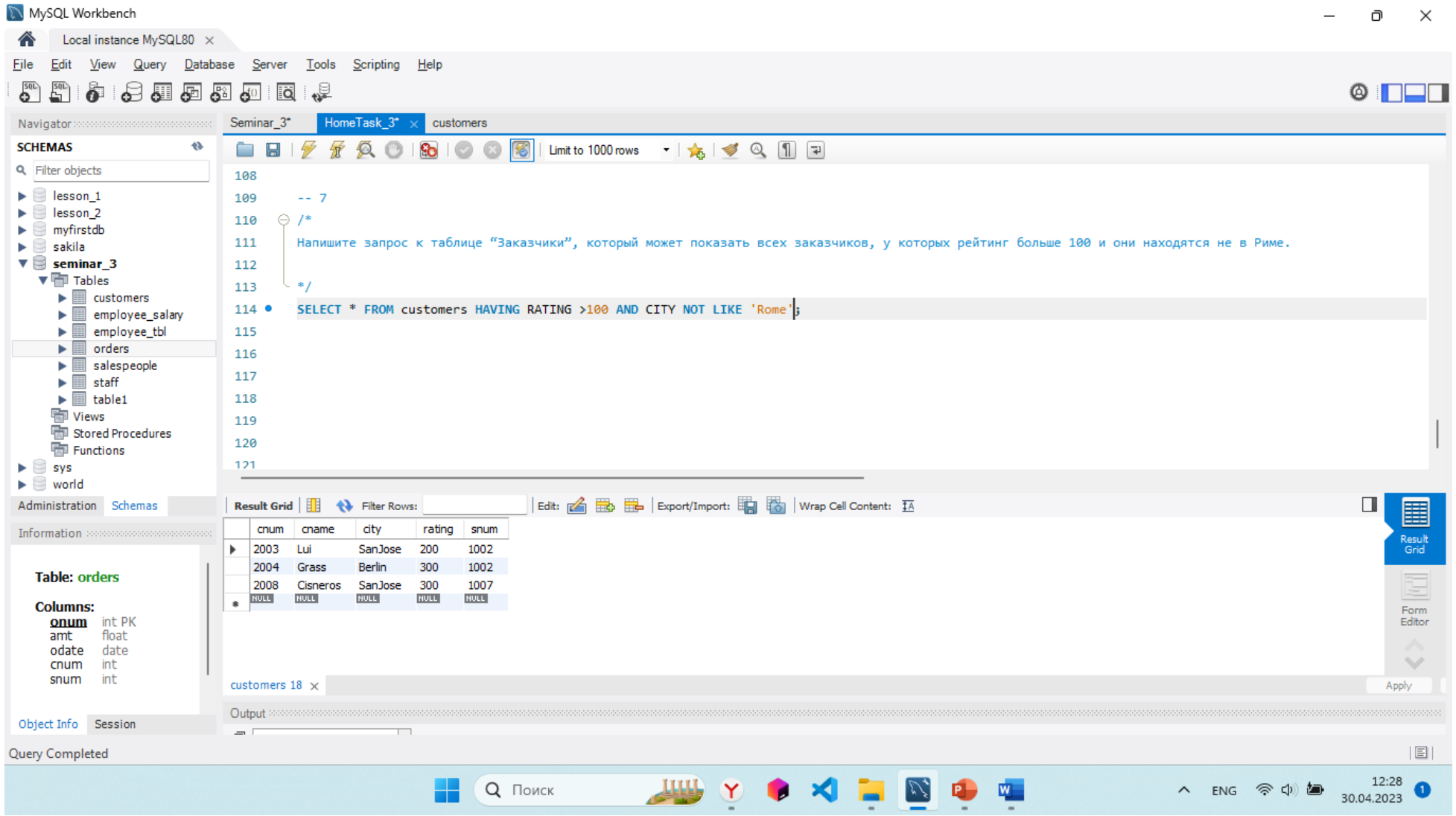

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3*
HomeTask_3*
customers
Limit to 1000 rows
65 -- 2
66 /*
67 Напишите команду SELECT, которая вывела бы оценку(rating),
68 сопровождаемую именем каждого заказчика в городе San Jose. (“заказчики”)
69
70 */
71 SELECT cname, rating, city FROM customers HAVING city='SanJose';
72
73
74
75
76
77
78
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
cname rating city
Lui 200 SanJose
Cisneros 300 SanJose
Result Grid
Form Editor
customers 6
Read Only
Output
Query Completed
Поиск
ENG
12:11
30.04.2023

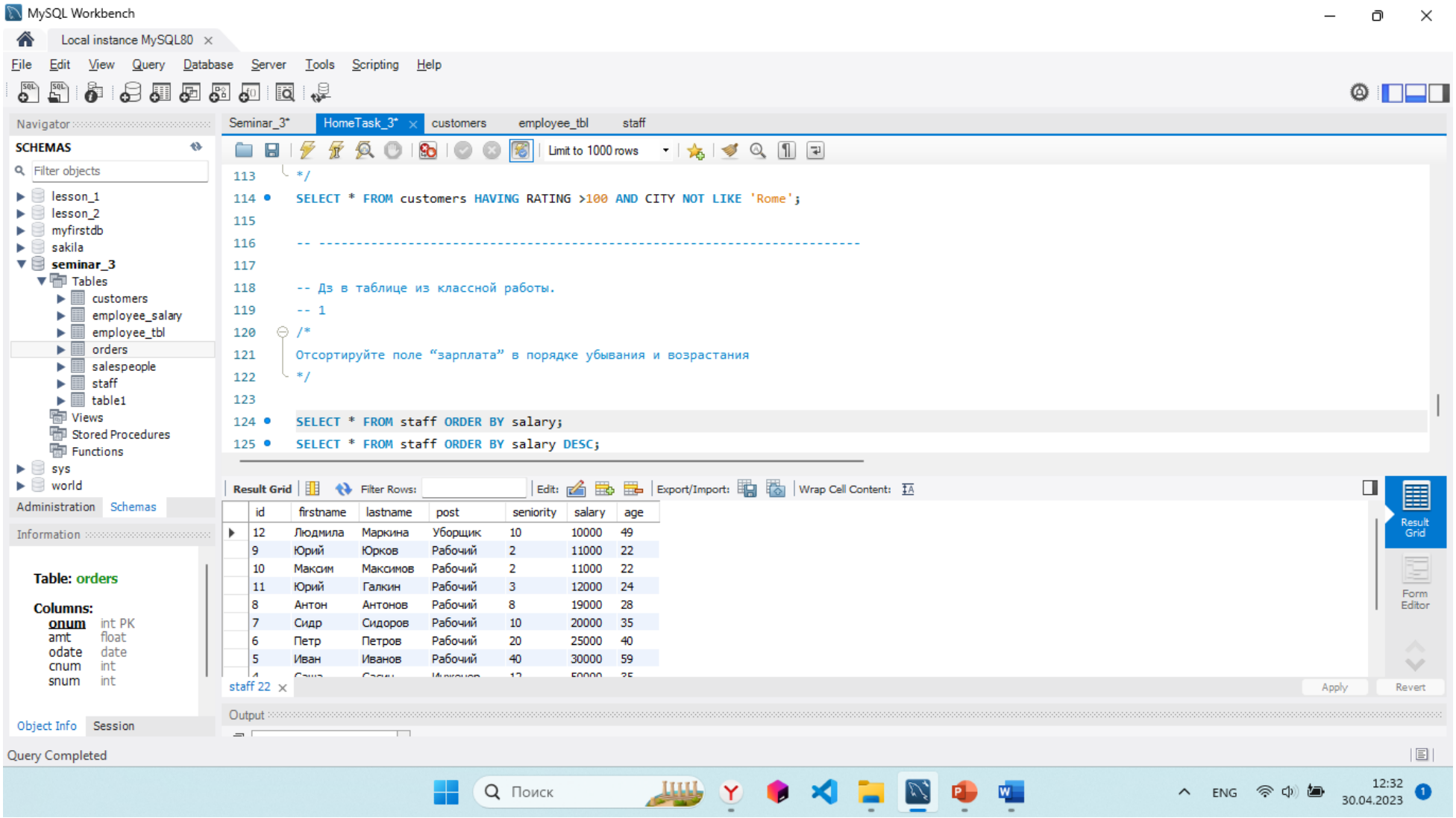

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3*
HomeTask_3*
customers
Limit to 1000 rows
73 -- 3
74 /*
75 Напишите запрос, который вывел бы значения snum всех продавцов из таблицы заказов без каких бы то ни было повторений.
76 (уникальные значения в “snum“ “Продавцы”)
77
78 */
79 SELECT DISTINCT snum FROM orders;
80
81
82
83
84
85
86
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
snum
1007
1004
1001
1002
1003
orders 10
Result Grid
Form Editor
Read Only
Output
Query Completed
Поиск
ENG
12:15
30.04.2023

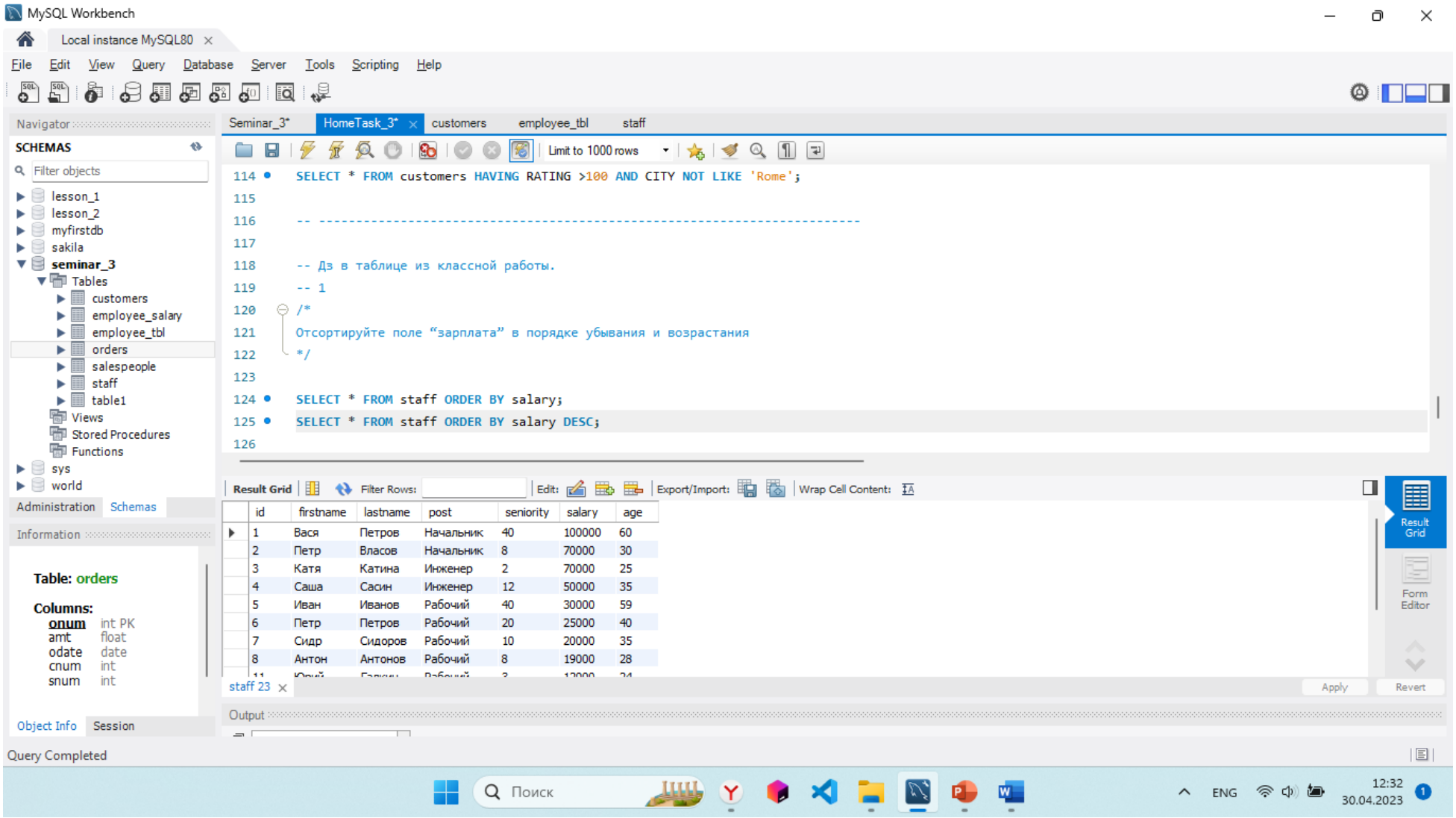

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3*
HomeTask_3*
customers
Limit to 1000 rows
81
82 -- 4
83 /*
84 Напишите запрос, который бы выбирал заказчиков, чьи имена начинаются с буквы G.
85 Используется оператор "LIKE": (“заказчики”) https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html
86 */
87 SELECT cname FROM customers WHERE cname LIKE '%G%';
88
89
90
91
92
93
94
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
cname
Giovanni
Grass
Result Grid
Form Editor
customers 11
Read Only
Output
Query Completed
Поиск
ENG
12:20
30.04.2023

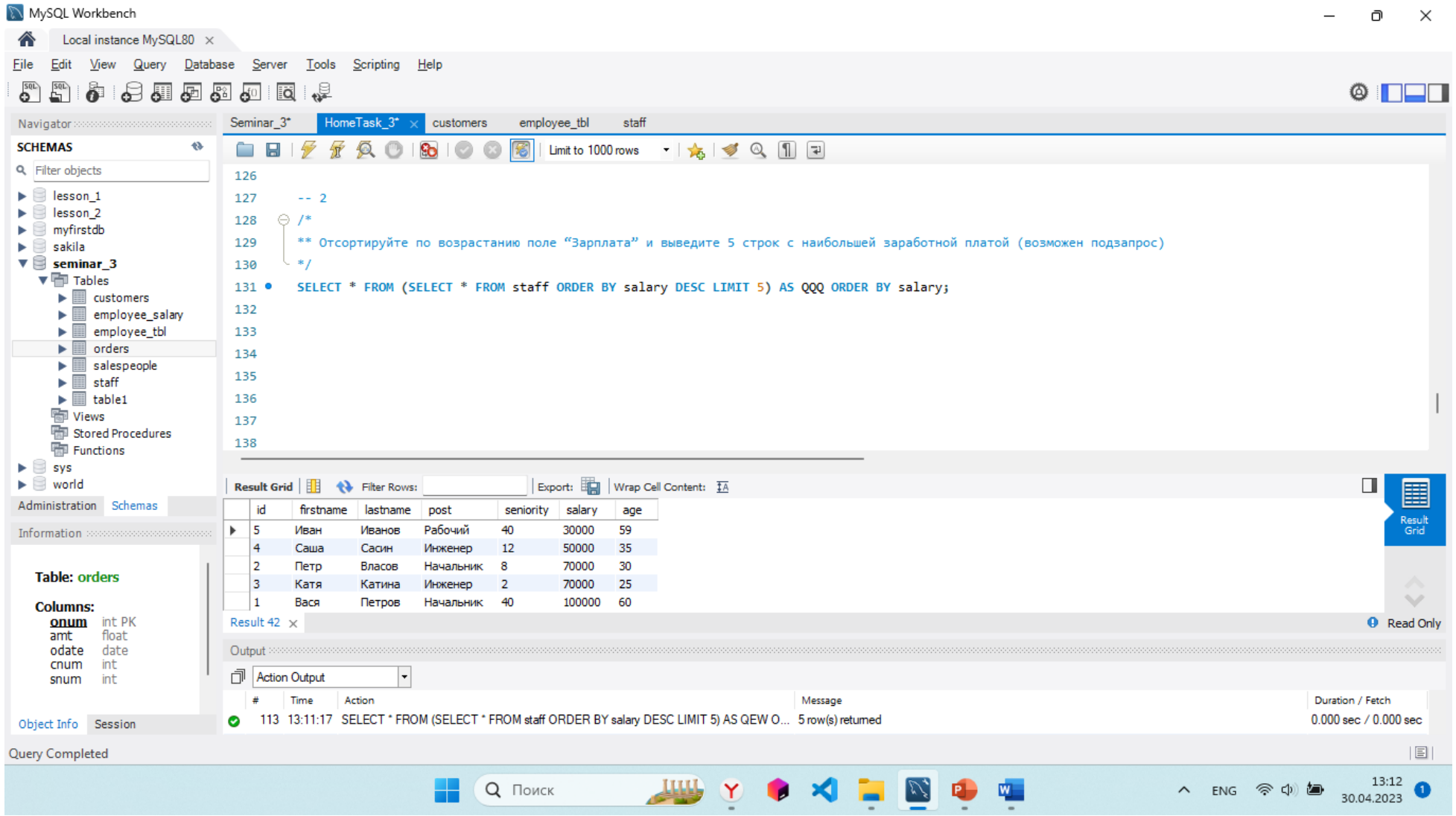

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3* HomeTask_3* customers
Limit to 1000 rows
90 -- 5
91 /*
92 Напишите запрос, который может дать вам все заказы со значениями суммы выше чем $1,000. (“Заказы”, “amt” - сумма)
93
94 */
95
96 SELECT * FROM orders WHERE amt>1000;
97
98
99
100
101
102
103
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
onum amt odate cnum snum
3002 1900.1 1990-03-10 2007 1004
3005 5160.45 1990-03-10 2008 1007
3008 4723 1990-05-10 2006 1001
3009 1713.23 1990-04-10 2002 1003
3010 1309.95 1990-06-10 2004 1002
3011 9891.88 1990-06-10 2006 1001
NULL NULL NULL NULL NULL
orders 12
Result Grid
Form Editor
Apply
Output
Query Completed
Поиск
ENG
12:22
30.04.2023

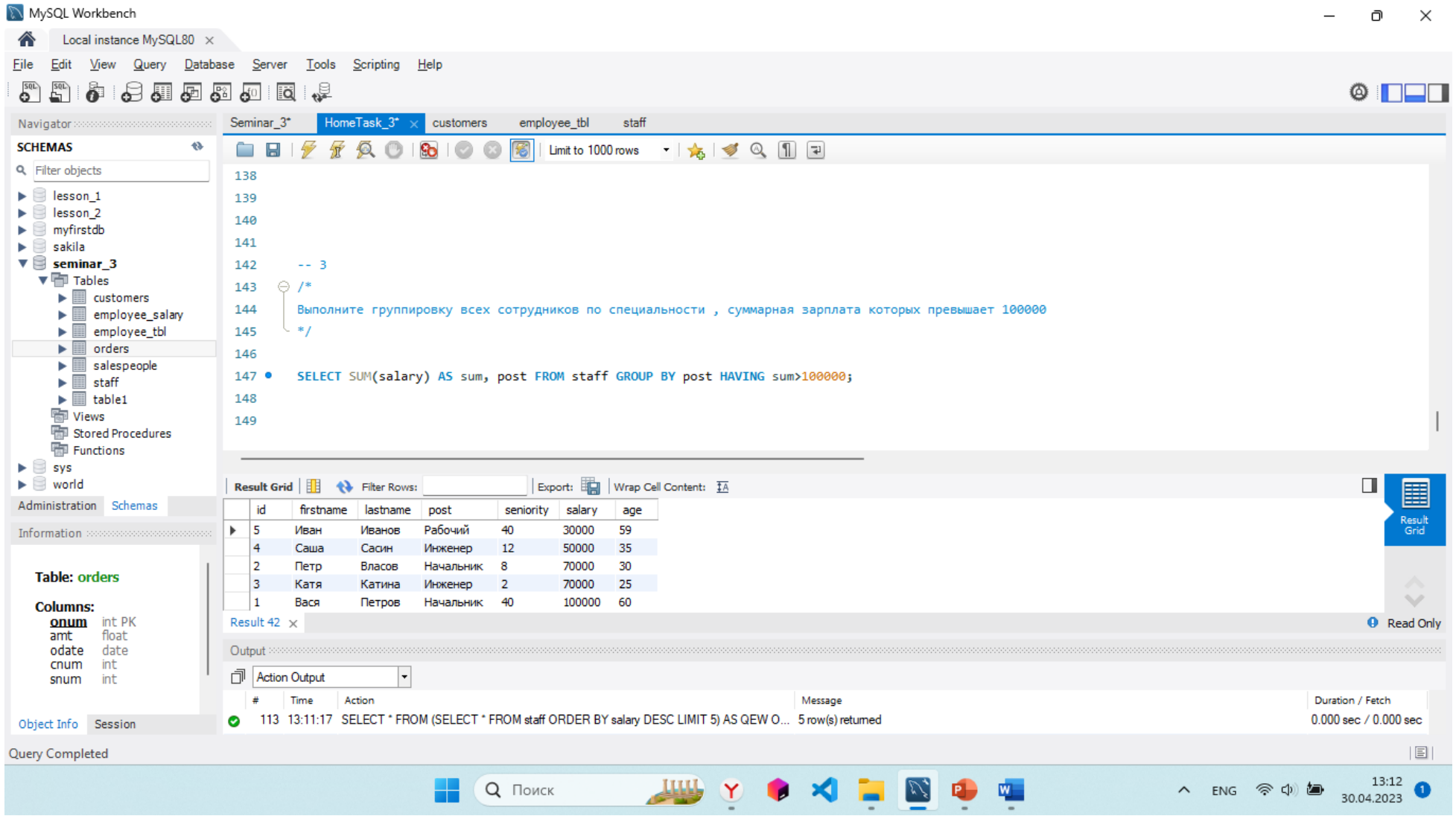

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3* HomeTask_3* customers
Limit to 1000 rows
94 */
95
96 SELECT * FROM orders WHERE amt>1000;
97
98
99 -- 6
100 /*
101 Напишите запрос который выбрал бы наименьшую сумму заказа.
102 (Из поля “amt” - сумма в таблице “Заказы” выбрать наименьшее значение)
103
104 */
105
106 SELECT * FROM orders ORDER BY amt LIMIT 1;
107
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content: Fetch rows:
onum amt odate cnum snum
3001 18.69 1990-03-10 2008 1007
NULL NULL NULL NULL NULL
Result Grid
Form Editor
orders 15
Apply
Output
Query Completed
Поиск
ENG
12:24
30.04.2023


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3*
HomeTask_3*
customers
Limit to 1000 rows
108
109 -- 7
110 /*
111 Напишите запрос к таблице “Заказчики”, который может показать всех заказчиков, у которых рейтинг больше 100 и они находятся не в Риме.
112
113 */
114 SELECT * FROM customers HAVING RATING >100 AND CITY NOT LIKE 'Rome';
115
116
117
118
119
120
121
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
cnum cname city rating snum
2003 Lui SanJose 200 1002
2004 Grass Berlin 300 1002
2008 Cisneros SanJose 300 1007
NULL NULL NULL NULL NULL
customers 18
Result Grid
Form Editor
Apply
Output
Query Completed
Поиск
ENG
12:28
30.04.2023


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3* HomeTask_3* customers employee_tbl staff
Limit to 1000 rows
113 */
114 SELECT * FROM customers HAVING RATING >100 AND CITY NOT LIKE 'Rome';
115
116 -- ----------
117
118 -- Дз в таблице из классной работы.
119 -- 1
120 /*
121 Отсортируйте поле “зарплата” в порядке убывания и возрастания
122 */
123
124 SELECT * FROM staff ORDER BY salary;
125 SELECT * FROM staff ORDER BY salary DESC;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
id firstname lastname post seniority salary age
12 Людмила Маркина Уборщик 10 10000 49
9 Юрий Юрков Рабочий 2 11000 22
10 Максим Максимов Рабочий 2 11000 22
11 Юрий Галкин Рабочий 3 12000 24
8 Антон Антонов Рабочий 8 19000 28
7 Сидр Сидоров Рабочий 10 20000 35
6 Петр Петров Рабочий 20 25000 40
5 Иван Иванов Рабочий 40 30000 59
staff 22
Apply Revert
Result Grid
Form Editor
Output
Query Completed
Поиск
ENG
12:32
30.04.2023


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3* HomeTask_3* customers employee_tbl staff
Limit to 1000 rows
114 SELECT * FROM customers HAVING RATING >100 AND CITY NOT LIKE 'Rome';
115
116 -- ----------
117
118 -- Дз в таблице из классной работы.
119 -- 1
120 /*
121 Отсортируйте поле “зарплата” в порядке убывания и возрастания
122 */
123
124 SELECT * FROM staff ORDER BY salary;
125 SELECT * FROM staff ORDER BY salary DESC;
126
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
id firstname lastname post seniority salary age
1 Вася Петров Начальник 40 100000 60
2 Петр Власов Начальник 8 70000 30
3 Катя Катина Инженер 2 70000 25
4 Саша Сасин Инженер 12 50000 35
5 Иван Иванов Рабочий 40 30000 59
6 Петр Петров Рабочий 20 25000 40
7 Сидр Сидоров Рабочий 10 20000 35
8 Антон Антонов Рабочий 8 19000 28
staff 23
Apply Revert
Output
Query Completed
Поиск
ENG
12:32
30.04.2023


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3* HomeTask_3* customers employee_tbl staff
Limit to 1000 rows
126
127 -- 2
128 /*
129 ** Отсортируйте по возрастанию поле “Зарплата” и выведите 5 строк с наибольшей заработной платой (возможен подзапрос)
130 */
131 SELECT * FROM (SELECT * FROM staff ORDER BY salary DESC LIMIT 5) AS QQQ ORDER BY salary;
132
133
134
135
136
137
138
Result Grid Filter Rows: Export: Wrap Cell Content:
id firstname lastname post seniority salary age
5 Иван Иванов Рабочий 40 30000 59
4 Саша Сасин Инженер 12 50000 35
2 Петр Власов Начальник 8 70000 30
3 Катя Катина Инженер 2 70000 25
1 Вася Петров Начальник 40 100000 60
Result 42
Read Only
Output
Action Output
Time Action Message Duration / Fetch
113 13:11:17 SELECT * FROM (SELECT * FROM staff ORDER BY salary DESC LIMIT 5) AS QEW O... 5 row(s) returned 0.000 sec / 0.000 sec
Query Completed
Поиск
ENG
13:12
30.04.2023


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
lesson_1
lesson_2
myfirstdb
sakila
seminar_3
Tables
customers
employee_salary
employee_tbl
orders
salespeople
staff
table1
Views
Stored Procedures
Functions
sys
world
Administration Schemas
Information
Table: orders
Columns:
onum int PK
amt float
odate date
cnum int
snum int
Object Info Session
Seminar_3* HomeTask_3* customers employee_tbl staff
Limit to 1000 rows
138
139
140
141
142 -- 3
143 /*
144 Выполните группировку всех сотрудников по специальности , суммарная зарплата которых превышает 100000
145 */
146
147 SELECT SUM(salary) AS sum, post FROM staff GROUP BY post HAVING sum>100000;
148
149
Result Grid Filter Rows: Export: Wrap Cell Content:
id firstname lastname post seniority salary age
5 Иван Иванов Рабочий 40 30000 59
4 Саша Сасин Инженер 12 50000 35
2 Петр Власов Начальник 8 70000 30
3 Катя Катина Инженер 2 70000 25
1 Вася Петров Начальник 40 100000 60
Result 42
Read Only
Output
Action Output
Time Action Message Duration / Fetch
113 13:11:17 SELECT * FROM (SELECT * FROM staff ORDER BY salary DESC LIMIT 5) AS QEW O... 5 row(s) returned 0.000 sec / 0.000 sec
Query Completed
Поиск
ENG
13:12
30.04.2023