

MySQL Workbench

Local instance MySQL80 x

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Navigator

SCHEMAS

Filter objects

dz1

Tables

Views

Stored Procedures

Functions

dz2

Tables

orders

sales

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Functions

dz3

Tables

customers

salespeople

Views

Stored Procedures

Functions

lesson3

Administration Schemas

Information

3 dz3 - Schema SQL File 7 x

Limit to 1000 rows

13 VALUES

14 (1001, 'Peel', 'London', 12),

15 (1002, 'Serres', 'San Jose', 13),

16 (1004, 'Motika', 'London', 11),

17 (1007, 'Rifkin', 'Barcelona', 15),

18 (1003, 'Axelrod', 'New York', 10)

19 ;

20 select \* from salespeople;

21 -- 1

22 select city, sname, snum, comm from salespeople;

23 -- 3

24 select distinct(snum) from salespeople;

25

Result Grid

Filter Rows:

Export: Wrap Cell Content: 1A

city	sname	snum	comm
London	Peel	1001	12
San Jose	Serres	1002	13
London	Motika	1004	11
Barcelona	Rifkin	1007	15
New York	Axelrod	1003	10

No object selected

П1. Таблица со столбцами city, sname, snum, comm

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Limit to 1000 rows

35 INSERT INTO customers(cnum, cname, city, rating, snum)

36 VALUES

37 (2001, 'Hoffman', 'London', 100, 1001),

38 (2002, 'Giovanni', 'Rome', 200, 1003),

39 (2003, 'Liu', 'San Jose', 200, 1002),

40 (2004, 'Grass', 'Berlin', 300, 1002),

41 (2006, 'Clemens', 'London', 100, 1001),

42 (2008, 'Cisneros', 'San Jose', 300, 1007),

43 (2007, 'Pereira', 'Rome', 100, 1004)

44 ;

45 select \* from customers;

46 select cname, rating from customers where city='San Jose';

47

Result Grid

Filter Rows:

Export: Wrap Cell Content: 1A

cname	rating
Liu	200
Cisneros	300

No object selected

П2. Заказчики с оценкой из сан хосе

MySQL Workbench

Local instance MySQL80

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Navigator

3 dz3 - Schema SQL File 7

Limit to 1000 rows

```

17 (1007, 'Rifkin', 'Barcelona', 15),
18 (1003, 'Axelrod', 'New York', 10)
19 ;
20 • select * from salespeople;
21
22 • select city, snum, sname, comm from salespeople;
23 • select distinct(snum) from salespeople;
24
25 • CREATE TABLE customers (
26   id INT PRIMARY KEY AUTO_INCREMENT ,
27   cnum int,

```

Result Grid

snum
1001
1002
1004
1007
1003

No object selected

### П3. Snum всех продавцов

MySQL Workbench

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Navigator

3 dz3 - Schema SQL File 7

Limit to 1000 rows

```

60 (3001, 18.69, str_to_date("10/03/1990", '%d/%m/%Y'), 2008, 1007),
61 (3003, 767.19, STR_TO_DATE("10/03/1990", '%d/%m/%Y'), 2001, 1001),
62 (3002, 1900.10, STR_TO_DATE("10/03/1990", '%d/%m/%Y'), 2007, 1004),
63 (3005, 5160.45, STR_TO_DATE("10/03/1990", '%d/%m/%Y'), 2003, 1002),
64 (3006, 1098.16, STR_TO_DATE("10/03/1990", '%d/%m/%Y'), 2008, 1007),
65 (3009, 1713.23, STR_TO_DATE("10/04/1990", '%d/%m/%Y'), 2002, 1003),
66 (3007, 75.75, STR_TO_DATE("10/04/1990", '%d/%m/%Y'), 2004, 1002),
67 (3008, 4723.00, STR_TO_DATE("10/05/1990", '%d/%m/%Y'), 2006, 1001),
68 (3010, 1309.95, STR_TO_DATE("10/06/1990", '%d/%m/%Y'), 2004, 1002),
69 (3011, 9891.88, STR_TO_DATE("10/06/1990", '%d/%m/%Y'), 2006, 1001)
70 ;
71 • select * from orders;
72
73 • select * from orders where amt>=1000;
74

```

Result Grid

id	onum	amt	odate	cnum	snum
3	3002	1900.10	1990-03-10	2007	1004
4	3005	5160.45	1990-03-10	2003	1002
5	3006	1098.16	1990-03-10	2008	1007
6	3009	1713.23	1990-04-10	2002	1003
8	3008	4723.00	1990-05-10	2006	1001

No object selected

### П5. Все заказы с суммой выше 1000

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3 dz3 - Schema SQL File 7\*

Limit to 1000 rows

```

62 (3002, 1900.10, STR_TO_DATE("10/03/1990", '%d/%m/%Y'), 2007, 1004),
63 (3005, 5160.45, STR_TO_DATE("10/03/1990", '%d/%m/%Y'), 2003, 1002),
64 (3006, 1098.16, STR_TO_DATE("10/03/1990", '%d/%m/%Y'), 2008, 1007),
65 (3009, 1713.23, STR_TO_DATE("10/04/1990", '%d/%m/%Y'), 2002, 1003),
66 (3007, 75.75, STR_TO_DATE("10/04/1990", '%d/%m/%Y'), 2004, 1002),
67 (3008, 4723.00, STR_TO_DATE("10/05/1990", '%d/%m/%Y'), 2006, 1001),
68 (3010, 1309.95, STR_TO_DATE("10/06/1990", '%d/%m/%Y'), 2004, 1002),
69 (3011, 9891.88, STR_TO_DATE("10/06/1990", '%d/%m/%Y'), 2006, 1001)
70 ;
71 • select amt from orders;
72
73 -- select * from orders where amt>=1000;
74
75 • SELECT * FROM orders
76 order by amt limit 1;

```

Result Grid

	id	onum	amt	odate	cnum	snum
▶	1	3001	18.69	1990-03-10	2008	1007
*	NULL	NULL	NULL	NULL	NULL	NULL

No object selected

П6. Наименьшая сумма заказа

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3 dz3 - Schema SQL File 7\*

Limit to 1000 rows

```

40 (2003, 'Liu', 'San Jose', 200, 1002),
41 (2004, 'Grass', 'Berlin', 300, 1002),
42 (2006, 'Clemens', 'London', 100, 1001),
43 (2008, 'Cisneros', 'San Jose', 300, 1007),
44 (2007, 'Pereira', 'Rome', 100, 1004)
45 ;
46 -- select * from customers;
47 -- 2
48 • select cname, rating from customers where city='San Jose';
49 -- 7
50 • select * from customers
51 where rating>100 and city <>'Rome';
52

```

Result Grid

	id	cnum	cname	city	rating	snum
▶	3	2003	Liu	San Jose	200	1002
	4	2004	Grass	Berlin	300	1002
	6	2008	Cisneros	San Jose	300	1007
*	NULL	NULL	NULL	NULL	NULL	NULL

П7. Рейтинг >100 и находятся не в Риме

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3 dz3 - Schema SQL File 7\*

Limit to 1000 rows

102 ('Иван', 'Иванов', 'Рабочий', '40', 30000, 59),  
 103 ('Петр', 'Петров', 'Рабочий', '20', 25000, 40),  
 104 ('Сидр', 'Сидоров', 'Рабочий', '10', 20000, 35),  
 105 ('Антон', 'Антонов', 'Рабочий', '8', 19000, 28),  
 106 ('Юрий', 'Юрков', 'Рабочий', '5', 15000, 25),  
 107 ('Максим', 'Максимов', 'Рабочий', '2', 11000, 22),  
 108 ('Юрий', 'Галкин', 'Рабочий', '3', 12000, 24),  
 109 ('Людмила', 'Маркина', 'Уборщик', '10', 10000, 49),  
 110  
 111  
 112 -- 8  
 113 • select \* from staff order by salary;  
 114 -- 9  
 115 • select \* from staff order by salary desc;

Result Grid

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

П1. Из таблицы семинара, сортировка з.п.

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3 dz3 - Schema SQL File 7\*

Limit to 1000 rows

112 -- 8  
 113 • select \* from staff order by salary;  
 114 -- 9  
 115 • select \* from staff order by salary desc;  
 116  
 117 -- 10  
 118  
 119  
 120 • select post, sum(salary) as sum  
 121 from staff  
 122 group by post  
 123 having sum >=100000;

Result Grid

post	sum
Начальник	170000
Инженер	120000
Рабочий	132000

Группировка по специальностям с суммарной з.п > 100000