

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
- diheraj
- hr
- Tables
- Views
- Stored Procedures
- Functions

northwind

sakila

sys

test

world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3 x

```
1 /* Question 1*/
2 • SELECT first_name "First Name", last_name "Last Name"
3      FROM employees;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

First Name	Last Name
Steven	King
Nneena	Kochhar
Lex	De Haan
Alexander	Hunold
Bruce	Ernst
David	Austin
Valli	Patabillu
Diana	Lorentz
Nancy	Greenberg
Daniel	Pavlet
John	Chen
Irene	Scaria
José	Manuel
Mart	Uman

employees 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:35:59	SELECT first_name "First Name", last_name "Last Name" FROM employees LIMIT 0, 1000	Error Code: 1046. No database selected Select the default DB to be used by double-clicking it...	0.047 sec
2	12:36:11	SELECT first_name "First Name", last_name "Last Name" FROM employees LIMIT 0, 1000	107 row(s) returned	0.047 sec / 0.000 sec

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Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3 x

```
1 /*Question 2 */
2 SELECT DISTINCT department_id
3      FROM employees;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

department_id
NULL
10
20
30
40
50
60
70
80
90
100
110

employees 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
2	12:36:11	SELECT first_name "First Name", last_name "Last Name" FROM employees LIMIT 0, 1000	107 row(s) returned	0.047 sec / 0.000 sec
3	12:36:51	SELECT DISTINCT department_id FROM employees LIMIT 0, 1000	12 row(s) returned	0.063 sec / 0.000 sec

MySQL Workbench

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Schema: hr

Object Info Session

SQL File 3:

```

1 /*Question 3*/
2 • SELECT *
3   FROM employees
4   ORDER BY first_name DESC;
    
```

Result Grid

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
180	Winston	Taylor	WTAYLOR	650.507.9876	1998-01-24	SH_CLERK	3200.00	NULL	120	50
171	Willam	Smith	WSMITH	011-44-1343.629268	1999-02-23	SA_REP	7400.00	0.15	148	80
206	William	Gietz	WGIETZ	519r5.123.1811	1994-06-07	AC_ACCOUNT	8300.00	NULL	205	110
195	Vance	Jones	VJONES	650.501.4876	1999-03-17	SH_CLERK	2800.00	NULL	123	50
106	Valli	Pataballa	VPATABAL	590.423.4560	1998-02-05	IT_PROG	4800.00	NULL	103	60
141	Trenna	Rajs	TRAJS	650.121.8009	1995-10-17	ST_CLERK	3500.00	NULL	124	50
132	TJ	Olson	TJOLSON	650.124.8234	1999-04-10	ST_CLERK	2100.00	NULL	121	50
190	Timothy	Gates	TGATES	650.505.3876	1998-07-11	SH_CLERK	2900.00	NULL	122	50
170	Taylor	Fox	TPFOX	011-44-1343.729268	1998-01-24	SA_REP	9600.00	0.20	148	80
203	Susan	Mavris	SMAVIS	515.123.7777	1994-06-07	HR REP	6500.00	NULL	101	40
173	Sundita	Kumar	SKUMAR	011-44-1343.329268	2000-04-21	SA_REP	6100.00	0.10	148	80
166	Sundar	Ande	SANDE	011-44-1346.629268	2000-03-24	SA_REP	6400.00	0.10	147	80
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	NULL	90	90

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
3	12:36:51	SELECT DISTINCT department_id FROM employees LIMIT 0, 1000	12 row(s) returned	0.063 sec / 0.000 sec
4	12:37:33	SELECT * FROM employees ORDER BY first_name DESC LIMIT 0, 1000	107 row(s) returned	0.032 sec / 0.000 sec

SQL Additions:

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

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Schema: hr

Object Info Session

SQL File 4:

```

1 /*Question 4*/
2 SELECT first_name, last_name, salary, salary*.15 PF
3   FROM employees;
    
```

Result Grid

first_name	last_name	salary	PF
Steven	King	24000.00	3600.0000
Neena	Kochhar	17000.00	2550.0000
Lex	De Haan	17000.00	2550.0000
Alexander	Hunold	9000.00	1350.0000
Bruce	Ernst	6000.00	900.0000
David	Austin	4800.00	720.0000
Valli	Pataballa	4800.00	720.0000
Diana	Lorento	4200.00	630.0000
Nancy	Greenberg	12000.00	1800.0000
Daniel	Faviet	9000.00	1350.0000
John	Chen	8200.00	1230.0000
Ismael	Scaria	7700.00	1155.0000
Jose Manuel	Urman	7800.00	1170.0000
Luis	Popp	6900.00	1035.0000

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
4	12:37:33	SELECT * FROM employees ORDER BY first_name DESC LIMIT 0, 1000	107 row(s) returned	0.032 sec / 0.000 sec
5	12:38:43	SELECT first_name, last_name, salary, salary*.15 PF FROM employees LIMIT 0, 1000	107 row(s) returned	0.032 sec / 0.000 sec

SQL Additions:

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MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator:

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- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3:

```

1 /*Question 5*/
2 SELECT employee_id, first_name, last_name, salary
3   FROM employees
4 ORDER BY salary;
    
```

Result Grid

employee_id	first_name	last_name	salary
132	TJ	Olson	2100.00
128	Steven	Markle	2200.00
136	Hazel	Philtanker	2200.00
127	James	Landry	2400.00
135	Ki	Gee	2400.00
119	Karen	Colmenares	2500.00
131	James	Marlow	2500.00
140	Joshua	Patel	2500.00
144	Peter	Vargas	2500.00
182	Martha	Sullivan	2500.00
191	Randall	Perkins	2500.00
118	Guy	Himuro	2600.00
143	Randall	Matos	2600.00
198	Donald	O'Connell	2600.00

employees 5 x

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
5	12:38:43	SELECT first_name, last_name, salary, '15 PF' FROM employees LIMIT 0, 1000	107 row(s) returned	0.032 sec / 0.000 sec
6	12:39:08	SELECT employee_id, first_name, last_name, salary FROM employees ORDER BY salary	107 row(s) returned	0.000 sec / 0.000 sec

12:39 24-12-2020 ENG

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator:

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- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3:

```

1 /*Question 6*/
2 SELECT SUM(salary)
3   FROM employees;
    
```

Result Grid

Sum(salary)
691400.00

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
6	12:39:08	SELECT employee_id, first_name, last_name, salary FROM employees ORDER BY salary	107 row(s) returned	0.000 sec / 0.000 sec
7	12:39:28	SELECT SUM(salary) FROM employees LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec

12:39 24-12-2020 ENG

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
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- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3: Question 7

```
1 /*Question 7*/
2 SELECT MAX(salary), MIN(salary)
3   FROM employees;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

MAX(salary)	MIN(salary)
24000.00	2100.00

Form Editor Field Types Query Stats

Result 7: Output

Action Output

#	Time	Action	Message	Duration / Fetch
7	12:39:28	SELECT SUM(salary) FROM employees LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
8	12:39:57	SELECT MAX(salary), MIN(salary) FROM employees LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Result Only Context Help Snippets

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

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- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3: Question 8

```
1 /*Question 8*/
2 SELECT AVG(salary), COUNT(*)
3   FROM employees;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

AVG(salary)	COUNT(*)
6461.682243	107

Form Editor Field Types Query Stats

Result 8: Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	12:39:57	SELECT MAX(salary), MIN(salary) FROM employees LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
9	12:40:19	SELECT AVG(salary), COUNT(*) FROM employees LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Result Only Context Help Snippets

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MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

SQL File 3: /Question 9*/

```
1  SELECT COUNT(*)
2   FROM employees;
```

Result Grid: COUNT(*)

COUNT(*)
107

Result 9: Action Output

#	Time	Action	Message	Duration / Fetch
9	12:40:19	SELECT AVG(salary), COUNT(*) FROM employees LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
10	12:40:40	SELECT COUNT(*) FROM employees LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

SQL File 3: /Question 10*/

```
1  SELECT COUNT(DISTINCT job_id)
2   FROM employees;
```

Result Grid: COUNT(DISTINCT job_id)

COUNT(DISTINCT job_id)
19

Result 10: Action Output

#	Time	Action	Message	Duration / Fetch
10	12:40:40	SELECT COUNT(*) FROM employees LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
11	12:41:05	SELECT COUNT(DISTINCT job_id) FROM employees LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

Administration Schemas Information

Schema: hr

Object Info Session

SQL File 3: /Question 11*

```
1  /*Question 11*/
2  SELECT UPPER(first_name)
3    FROM employees;
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result 11 x

UPPER(first_name)

- ▶ STEVEN
- NEENA
- LEX
- ALEXANDER
- BRUCE
- DAVID
- VALLI
- DIANA
- NANCY
- DANIEL
- JOHN
- ISMAEL
- JOSE MANUEL
- LUIS

Output: Action Output

#	Time	Action	Message	Duration / Fetch
11	12:41:05	SELECT COUNT(DISTINCT job_id) FROM employees LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
12	12:41:22	SELECT UPPER(first_name) FROM employees LIMIT 0, 1000	107 row(s) returned	0.016 sec / 0.000 sec

SQLAdditions SQL

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

Administration Schemas Information

Schema: hr

Object Info Session

SQL File 3: /Question 12*

```
1  /*Question 12*/
2  SELECT SUBSTRING(first_name,1,3)
3    FROM employees;|
```

Result Grid | Filter Rows: Export: Wrap Cell Content: Result 12 x

SUBSTRING(first_name,1,3)

- ▶ Ste
- Nee
- Lex
- Ale
- Bru
- Dev
- Val
- Dia
- Nan
- Dan
- Joh
- Ism
- Jos
- Luis

Output: Action Output

#	Time	Action	Message	Duration / Fetch
12	12:41:22	SELECT UPPER(first_name) FROM employees LIMIT 0, 1000	107 row(s) returned	0.016 sec / 0.000 sec
13	12:41:42	SELECT SUBSTRING(first_name,1,3) FROM employees LIMIT 0, 1000	107 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions SQL

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

Administration Schemas Information

Schema: hr

Object Info Session

SQL File 3: /Question 13*

```

1  /*Question 13*/
2  SELECT TRIM(first_name)
3    FROM employees;

```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

Result Grid

Form Editor

Field Types

Query Stats

Read Only Context Help Snippets

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
13	12:41:42	SELECT SUBSTRING(first_name,1,3) FROM employees LIMIT 0, 1000	107 row(s) returned	0.000 sec / 0.000 sec
14	12:41:59	SELECT TRIM(first_name) FROM employees LIMIT 0, 1000	107 row(s) returned	0.000 sec / 0.000 sec

12:42 24-12-2020 ENG

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

Administration Schemas Information

Schema: hr

Object Info Session

SQL File 3: /Question 14*

```

1  /*Question 14*/
2  SELECT first_name, last_name, LENGTH(first_name)+LENGTH(last_name) 'Length of Names'
3    FROM employees;

```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

Result Grid

Form Editor

Field Types

Query Stats

Read Only Context Help Snippets

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
14	12:41:59	SELECT TRIM(first_name) FROM employees LIMIT 0, 1000	107 row(s) returned	0.000 sec / 0.000 sec
15	12:42:19	SELECT first_name, last_name, LENGTH(first_name)+LENGTH(last_name) 'Length of Nam...' FROM employees	107 row(s) returned	0.000 sec / 0.000 sec

12:42 24-12-2020 ENG

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

SQL File 3: * /Question 15*

```

1  SELECT *
2   FROM employees
3   WHERE first_name REGEXP '[0-9]';

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Result Grid

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Administration Schemas Information

Schema: hr

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

SQL File 3: * /Question 16*

```

1  SELECT first_name, last_name, salary
2   FROM employees
3   WHERE salary NOT BETWEEN 10000 AND 15000;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid

first_name	last_name	salary
Steven	King	24000.00
Neena	Kochhar	17000.00
Lex	De Haan	17000.00
Alexander	Hunold	9000.00
Bruce	Ernst	6000.00
David	Austin	4800.00
Valli	Pataballa	4800.00
Diana	Lorento	4200.00
Daniel	Faviet	9000.00
John	Chen	8200.00
Ismael	Serra	7700.00
Jose Manuel	Urman	7800.00
Luis	Popp	6900.00
Alexander	Khoo	3100.00

Administration Schemas Information

Schema: hr

Object Info Session

Action Output

#	Time	Action	Message	Duration / Fetch
15	12:42:19	SELECT first_name,last_name,LENGTH(first_name)+LENGTH(last_name) 'Length of Name' FROM employees WHERE first_name REGEXP '[0-9]' LIMIT 0,1000	107 row(s) returned	0.000 sec / 0.000 sec
16	12:42:41	SELECT * FROM employees WHERE first_name REGEXP '[0-9]' LIMIT 0,1000	0 row(s) returned	0.000 sec / 0.000 sec

Output

#	Time	Action	Message	Duration / Fetch
16	12:42:41	SELECT * FROM employees WHERE first_name REGEXP '[0-9]' LIMIT 0,1000	0 row(s) returned	0.000 sec / 0.000 sec
17	12:43:03	SELECT first_name, last_name, salary FROM employees WHERE salary NOT BETWEEN 10000 AND 15000	91 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

12:42 24-12-2020

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

SQL File 3: * /Question 16*

```

1  SELECT first_name, last_name, salary
2   FROM employees
3   WHERE salary NOT BETWEEN 10000 AND 15000;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid

first_name	last_name	salary
Steven	King	24000.00
Neena	Kochhar	17000.00
Lex	De Haan	17000.00
Alexander	Hunold	9000.00
Bruce	Ernst	6000.00
David	Austin	4800.00
Valli	Pataballa	4800.00
Diana	Lorento	4200.00
Daniel	Faviet	9000.00
John	Chen	8200.00
Ismael	Serra	7700.00
Jose Manuel	Urman	7800.00
Luis	Popp	6900.00
Alexander	Khoo	3100.00

Administration Schemas Information

Schema: hr

Object Info Session

Action Output

#	Time	Action	Message	Duration / Fetch
16	12:42:41	SELECT * FROM employees WHERE first_name REGEXP '[0-9]' LIMIT 0,1000	0 row(s) returned	0.000 sec / 0.000 sec
17	12:43:03	SELECT first_name, last_name, salary FROM employees WHERE salary NOT BETWEEN 10000 AND 15000	91 row(s) returned	0.000 sec / 0.000 sec

Output

#	Time	Action	Message	Duration / Fetch
16	12:42:41	SELECT * FROM employees WHERE first_name REGEXP '[0-9]' LIMIT 0,1000	0 row(s) returned	0.000 sec / 0.000 sec
17	12:43:03	SELECT first_name, last_name, salary FROM employees WHERE salary NOT BETWEEN 10000 AND 15000	91 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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12:43 24-12-2020

MySQL Workbench

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Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3* x

```

1 /*Question 17*/
2 SELECT first_name, last_name, department_id
3 FROM employees
4 WHERE department_id IN (30, 100)
5 ORDER BY department_id ASC;
    
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

first_name	last_name	department_id
Den	Raphaely	30
Alexander	Khoo	30
Shelli	Baida	30
Sigal	Tobias	30
Guy	Himuro	30
Karen	Colmenares	30
Nancy	Greenberg	100
Daniel	Faviet	100
John	Chen	100
Ismail	Sciarrা	100
Jose Manuel	Urman	100
Luis	Popp	100

employees 17 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
17	12:43:03	SELECT first_name, last_name, salary FROM employees WHERE salary NOT BETWEEN 1... 91 row(s) returned		0.000 sec / 0.000 sec
18	12:43:25	SELECT first_name, last_name, department_id FROM employees WHERE department_id IN ... 12 row(s) returned		0.062 sec / 0.000 sec

SQLAdditions

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Result Grid

Form Editor

Field Types

Query Stats

Read Only Context Help Snippets

MySQL Workbench

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- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3* x

```

1 /*Question 18*/
2 SELECT first_name, last_name, salary, department_id
3 FROM employees
4 WHERE salary NOT BETWEEN 10000 AND 15000
5 AND department_id IN (30, 100);
    
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

first_name	last_name	salary	department_id
Alexander	Khoo	3100.00	30
Shelli	Baida	2900.00	30
Sigal	Tobias	2800.00	30
Guy	Himuro	2600.00	30
Karen	Colmenares	2500.00	30
Daniel	Faviet	9000.00	100
John	Chen	8200.00	100
Ismail	Sciarrা	7700.00	100
Jose Manuel	Urman	7800.00	100
Luis	Popp	6900.00	100

employees 18 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
18	12:43:25	SELECT first_name, last_name, department_id FROM employees WHERE department_id IN ... 12 row(s) returned		0.062 sec / 0.000 sec
19	12:43:41	SELECT first_name, last_name, salary, department_id FROM employees WHERE salary NO... 10 row(s) returned		0.000 sec / 0.000 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Form Editor

Field Types

Query Stats

Read Only Context Help Snippets

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

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- sys
- test
- world

Administration Schemas

Information

Schema: hr

SQL File 19

```

1 /*Question 19*/
2 SELECT first_name, last_name, hire_date
3 FROM employees
4 WHERE YEAR(hire_date) LIKE '1987%';
    
```

Result Grid

first_name	last_name	hire_date
Steven	King	1987-06-17
Jennifer	Whalen	1987-09-17

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

employees 19

Action Output

#	Time	Action	Message	Duration / Fetch
19	12:43:41	SELECT first_name, last_name, salary, department_id FROM employees WHERE salary NO...	10 row(s) returned	0.000 sec / 0.000 sec
20	12:44:01	SELECT first_name, last_name, hire_date FROM employees WHERE YEAR(hire_date) LIK...	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
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- sys
- test
- world

Administration Schemas

Information

Schema: hr

SQL File 20

```

1 /*Question 20*/
2 SELECT first_name
3 FROM employees
4 WHERE first_name LIKE '%b%'
5 AND first_name LIKE '%c%';
    
```

Result Grid

first_name
Bruce

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

employees 20

Action Output

#	Time	Action	Message	Duration / Fetch
20	12:44:01	SELECT first_name, last_name, hire_date FROM employees WHERE YEAR(hire_date) LIK...	2 row(s) returned	0.000 sec / 0.000 sec
21	12:44:18	SELECT first_name FROM employees WHERE first_name LIKE '%b%' AND first_name LIKE ...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

Administration Schemas Information

Schema: hr

Object Info Session

SQL File 3: * Question 21*

```
1 /Question 21/*
2 SELECT last_name, job_id, salary
3 FROM employees
4 WHERE job_id IN ('IT_PROG', 'SH_CLERK')
5 AND salary NOT IN (4500,10000, 15000)
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

last_name	job_id	salary
Hunold	IT_PROG	9000.00
Ernst	IT_PROG	6000.00
Austin	IT_PROG	4800.00
Pataballa	IT_PROG	4800.00
Lorentz	IT_PROG	4200.00
Taylor	SH_CLERK	3200.00
Fleur	SH_CLERK	3100.00
Sullivan	SH_CLERK	2500.00
Geoni	SH_CLERK	2800.00
Sardhoud	SH_CLERK	4200.00
Bull	SH_CLERK	4100.00
Delinger	SH_CLERK	3400.00
Cabrio	SH_CLERK	3000.00
Chun	SH_CLERK	3800.00

employees 21

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
21	12:44:18	SELECT first_name FROM employees WHERE first_name LIKE 'lb%' AND first_name LIKE ...	1 row(s) returned	0.000 sec / 0.000 sec
22	12:44:38	SELECT last_name, job_id, salary FROM employees WHERE job_id IN (IT_PROG, SH_CLERK) AND salary NOT IN (4500,10000, 15000)	25 row(s) returned	0.015 sec / 0.000 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

Administration Schemas Information

Schema: hr

Object Info Session

SQL File 3: * Question 22*

```
1 /Question 22/*
2 SELECT last_name FROM employees WHERE last_name LIKE '_____'
```

Result Grid | Filter Rows: Export: Wrap Cell Content: □

last_name
Hunold
Austin
Faviet
Tobies
Himuro
Lamond
Makki
Bischof
Marlow
Malina
Rogers
Ladwig
Stiles
Davies

employees 22

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
22	12:44:38	SELECT last_name, job_id, salary FROM employees WHERE job_id IN (IT_PROG, SH_CLERK) AND salary NOT IN (4500,10000, 15000)	25 row(s) returned	0.015 sec / 0.000 sec
23	12:45:00	SELECT last_name FROM employees WHERE last_name LIKE '_____' LIMIT 0, 1000	28 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
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- Tables
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- Stored Procedures
- Functions
- northwind
- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3

```

1 /*Question 23*/
2 SELECT last_name FROM employees WHERE last_name LIKE '_e%'
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

last_name
Greenberg
Chen
Gee
McEwen
Greene
Lee
Ozer
Abel
Fleur
Everett
Fenney
Bair
Gitz

employees 23

Output

Action Output

#	Time	Action	Message	Duration / Fetch
23	12:45:00	SELECT last_name FROM employees WHERE last_name LIKE '_e%' LIMIT 0, 1000	28 row(s) returned	0.000 sec / 0.000 sec
24	12:45:17	SELECT last_name FROM employees WHERE last_name LIKE '_e%' LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid Form Editor Field Types Query Stats

Read Only Context Help Snippets

12:45 24-12-2020 ENG

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
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- sys
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Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3

```

1 /*Question 24*/
2 SELECT job_id, GROUP_CONCAT(employee_id, ',') 'Employees ID'
3 FROM employees GROUP BY job_id;
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

job_id	Employees ID
AC_ACCOUNT	206
AC_MGR	205
AD_ASST	200
AD_PRES	100
AD_VP	101,102
FI_ACCOUNT	109,110,111,112,113
FI_MGR	108
HR REP	203
IT_PROG	103,104,105,106,107
MK_MAN	201
MK_REP	202
PR_REP	204
PU_CLERK	115,116,117,118,119
PU MAN	114

Result 24

Output

Action Output

#	Time	Action	Message	Duration / Fetch
24	12:45:17	SELECT last_name FROM employees WHERE last_name LIKE '_e%' LIMIT 0, 1000	13 row(s) returned	0.000 sec / 0.000 sec
25	12:45:36	SELECT job_id, GROUP_CONCAT(employee_id, ',') 'Employees ID' FROM employees GRO...	19 row(s) returned	0.094 sec / 0.000 sec

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid Form Editor Field Types Query Stats

Read Only Context Help Snippets

12:45 24-12-2020 ENG

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
- hr
- diheraj
- Tables
- Views
- Stored Procedures
- Functions
- northwind
- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
- hr
- diheraj
- Tables
- Views
- Stored Procedures
- Functions
- northwind
- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3* ×

```

1 /*Question 25*/
2 UPDATE employees
3 SET phone_number = REPLACE(phone_number, '124', '999')
4 WHERE phone_number LIKE '%124%';

```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
26	12:49:43	UPDATE employees SET phone_number = REPLACE(phone_number, '124', '999') WHERE...	Error Code: 1175. You are using safe update mode and you tried to update a table without a ...	0.109 sec
27	12:49:49	UPDATE employees SET phone_number = REPLACE(phone_number, '124', '999') WHERE...	Error Code: 1175. You are using safe update mode and you tried to update a table without a ...	0.000 sec

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
- hr
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- Tables
- Views
- Stored Procedures
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- northwind
- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3* ×

```

1 /*Question 26*/
2 SELECT *
3 FROM employees
4 WHERE LENGTH(first_name) >= 8;

```

Result Grid

employee_id	first_name	last_name	email	phone_number	hire_date	job_id	salary	commission_pct	manager_id	department_id
103	Alexander	Hunold	AHLNOLD	590.423.4567	1990-01-03	IT_PROG	9000.00	NULL	102	60
112	Jose Manuel	Urman	JMLURMAN	515.124.4469	1998-03-07	FI_ACCOUNT	7800.00	NULL	108	100
115	Alexander	Khoa	AKHOO	515.127.4562	1995-05-18	PU_CLERK	3100.00	NULL	114	30
153	Christopher	Olsen	COLSEN	011.44.1344.498718	1998-03-30	SA_REP	8000.00	0.20	145	80
163	Danielle	Greene	DGREENE	011.44.1346.292068	1999-03-19	SA_REP	9500.00	0.15	147	80
169	Harrison	Bloom	HBLOOM	011.44.1343.529268	1999-03-23	SA_REP	10000.00	0.20	148	80
172	Elizabeth	Bates	EBATES	011.44.1343.529268	1999-03-24	SA_REP	7300.00	0.15	148	80
176	Jonathan	Taylor	JTAYLOR	011.44.1644.429265	1998-03-24	SA_REP	8600.00	0.20	149	80
178	Kimberly	Grant	KGRANT	011.44.1644.429263	1999-05-24	SA_REP	7000.00	0.15	149	NULL
189	Jennifer	Dilly	JDILLY	650.505.2876	1997-08-13	SH_CLERK	3600.00	NULL	122	50
200	Jennifer	Whalen	JWHALEN	515.123.4444	1987-09-17	AD_ASST	4400.00	NULL	101	10
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

employees 25 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
27	12:49:49	UPDATE employees SET phone_number = REPLACE(phone_number, '124', '999') WHERE...	Error Code: 1175. You are using safe update mode and you tried to update a table without a ...	0.000 sec
28	12:50:20	SELECT * FROM employees WHERE LENGTH(first_name) >= 8 LIMIT 0, 1000	11 row(s) returned	0.125 sec / 0.000 sec

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
- hr
- diheraj
- Tables
- Views
- Stored Procedures
- Functions
- northwind
- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- Filter objects
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- diptera
- Tables
- Views
- Stored Procedures
- Functions
- northwind
- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

Type here to search

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Navigator

SCHEMAS

- Filter objects
- hr
- diptera
- Tables
- Views
- Stored Procedures
- Functions
- northwind
- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

Type here to search

SQL File 3:

```
1 /*Question 27*/
2 UPDATE employees SET email = CONCAT(email, '@example.com');
```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
28	12:50:20	SELECT * FROM employees WHERE LENGTH(first_name) >= 8 LIMIT 0, 1000	11 row(s) returned	0.125 sec / 0.000 sec
29	12:50:51	UPDATE employees SET email = CONCAT(email, '@example.com')	Error Code: 1175. You are using safe update mode and you tried to update a table without a ...	0.000 sec

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:50:28	/*Question 28*/		
2	12:50:51	SELECT RIGHT(phone_number, 4) as 'Ph.No.' FROM employees;		

Result Grid

Ph.No.

Ph.No.
4557
4558
4559
4557
4568
4569
4550
5567
4569
4169
4269
4369
4469
4567

Result 26

Output

Action Output

#	Time	Action	Message	Duration / Fetch
29	12:50:51	UPDATE employees SET email = CONCAT(email, '@example.com')	Error Code: 1175. You are using safe update mode and you tried to update a table without a ...	0.000 sec
30	12:51:22	SELECT RIGHT(phone_number, 4) as 'Ph.No.' FROM employees LIMIT 0, 1000	107 row(s) returned	0.000 sec / 0.000 sec

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:51:21	/*Question 29*/		
2	12:51:22	SELECT RIGHT(phone_number, 4) as 'Ph.No.' FROM employees LIMIT 0, 1000	107 row(s) returned	0.000 sec / 0.000 sec

12:51 24-12-2020

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator:

- SCHEMAS
 - Filter objects
 - hr
 - diptable
 - northwind
 - sakila
 - sys
 - test
 - world
- Administration Schemas
- Information

Schema: hr

Object Info Session

SQL File 3:

```
1 /*Question 31*/
2 SELECT job_title, SUBSTR(job_title,1, INSTR(job_title, ' ') -1)
3 FROM jobs;
```

Result Grid

job_title	SUBSTR(job_title,1, INSTR(job_title, ' ') -1)
Public Accountant	Public
Accounting Manager	Accounting
Administration Assistant	Administration
President	Administration
Administration Vice President	Administration
Account	Finance
Finance Manager	Finance
Human Resources Representative	Human
Programmer	Marketing
Marketing Manager	Marketing
Marketing Representative	Marketing
Public Relations Representative	Public
Purchasing Clerk	Purchasing

Result 29 x

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
32	12:52:04	SELECT * FROM locations WHERE LENGTH(street_address) <= (SELECT MIN(LENGTH(street_address)) FROM locations)	2 row(s) returned	0.000 sec / 0.000 sec
33	12:52:23	SELECT job_title, SUBSTR(job_title,1, INSTR(job_title, ' ') -1) FROM jobs LIMIT 0, 1000	19 row(s) returned	0.125 sec / 0.000 sec

12:52 24-12-2020 ENG

MySQL Workbench

Local instance MySQL57

File Edit View Query Database Server Tools Scripting Help

Navigator:

- SCHEMAS
 - Filter objects
 - hr
 - diptable
 - northwind
 - sakila
 - sys
 - test
 - world
- Administration Schemas
- Information

Schema: hr

Object Info Session

SQL File 3:

```
1 /*Question 32*/
2 SELECT first_name, last_name FROM employees WHERE INSTR(last_name,'C') > 2;
```

Result Grid

first_name	last_name
Neena	Kochhar
Peter	Tucker
Nandita	Sachdev

employees 30 x

Output:

Action Output

#	Time	Action	Message	Duration / Fetch
33	12:52:23	SELECT job_title, SUBSTR(job_title,1, INSTR(job_title, ' ') -1) FROM jobs LIMIT 0, 1000	19 row(s) returned	0.125 sec / 0.000 sec
34	12:52:40	SELECT first_name, last_name FROM employees WHERE INSTR(last_name,'C') > 2 LIMIT ...	3 row(s) returned	0.000 sec / 0.000 sec

12:52 24-12-2020 ENG

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

SQL File 3: x

```
4 FROM employees
5 WHERE first_name LIKE 'J%'
6 OR first_name LIKE 'A%' 
7 OR first_name LIKE 'A%' 
8 ORDER BY first_name |
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

Name	Length
Adam	4
Alana	5
Alberto	7
Alexander	9
Alexander	9
Alexis	6
Allan	5
Alyssa	6
Ant	4
Anthony	7
Jack	4
James	5
James	5
Janette	7

Result 31 x

Output:

#	Time	Action	Message	Duration / Fetch
34	12:52:40	SELECT first_name, last_name FROM employees WHERE INSTR(last_name,'C') > 2 LIMIT ...	3 row(s) returned	0.000 sec / 0.000 sec
35	12:53:00	SELECT first_name "Name", LENGTH(first_name) "Length" FROM employees WHERE first_name LIKE 'A%'	32 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hr

SQL File 3: x

```
1 /*Question 34*/
2 SELECT first_name,
3 LPAD(salary, 10, '$') SALARY
4 FROM employees;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

first_name	SALARY
Steven	\$524000.00
Neena	\$517000.00
Lex	\$517000.00
Alexander	\$569000.00
Bruce	\$566000.00
David	\$549000.00
Valli	\$548000.00
Diana	\$542000.00
Nancy	\$512000.00
Daniel	\$589000.00
John	\$582000.00
Ismael	\$57700.00
Jose Manuel	\$578000.00
Luis	\$586900.00

Result 32 x

Output:

#	Time	Action	Message	Duration / Fetch
36	12:53:18	SELECT first_name "Name", LENGTH(first_name) "Length" /*Question 34*/ SELECT first_name...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds ...	0.000 sec
37	12:53:27	SELECT first_name, LPAD(salary, 10, '\$') SALARY FROM employees LIMIT 0,1000	107 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

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- hr
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- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3.x

```

2 SELECT left(first_name, 8),
3     REPEAT('$', FLOOR(salary/1000))
4     'SALARY($)', salary
5 FROM employees
6 ORDER BY salary DESC;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

left(first_name, 8)	SALARY(\$)	salary
Steven	\$\$\$\$\$\$\$\$\$\$	24000.00
Nneka	\$\$\$\$\$\$\$\$\$\$	17000.00
Lex	\$\$\$\$\$\$\$\$\$\$	17000.00
John	\$\$\$\$\$\$\$\$\$\$	14000.00
Karen	\$\$\$\$\$\$\$\$\$\$	13500.00
Michael	\$\$\$\$\$\$\$\$\$\$	13000.00
Nancy	\$\$\$\$\$\$\$\$\$\$	13000.00
Alberto	\$\$\$\$\$\$\$\$\$\$	12000.00
Shelli	\$\$\$\$\$\$\$\$\$\$	12000.00
Luis	\$\$\$\$\$\$\$\$\$\$	11500.00
Den	\$\$\$\$\$\$\$\$\$\$	11000.00
Gerald	\$\$\$\$\$\$\$\$\$\$	11000.00
Ellen	\$\$\$\$\$\$\$\$\$\$	11000.00

Result 33 | Read Only | Context Help | Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
37	12:53:27	SELECT first_name, LPAD(salary, 10, '\$') SALARY FROM employees LIMIT 0, 1000	107 row(s) returned	0.000 sec / 0.000 sec
38	12:53:44	SELECT left(first_name, 8), REPEAT('\$', FLOOR(salary/1000)) 'SALARY(\$)', salary FROM employees ORDER BY salary DESC;	107 row(s) returned	0.000 sec / 0.000 sec

Output

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

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- hr
- northwind
- sakila
- sys
- test
- world

Administration Schemas

Information

Schema: hr

Object Info Session

SQL File 3.x

```

1 /*Question 36*/
2 SELECT employee_id,first_name,last_name,hire_date
3 FROM employees
4 WHERE POSITION("07" IN DATE_FORMAT(hire_date, '%d %m %Y'))>0;

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

employee_id	first_name	last_name	hire_date
107	Diana	Lorentz	1999-02-07
112	Jose Manuel	Urman	1998-03-07
113	Luis	Popp	1999-12-07
114	Den	Raphaely	1994-12-07
117	Sigal	Tobias	1997-07-24
120	Matthew	Weiss	1998-07-18
125	Juli	Nayer	1997-07-16
137	Renske	Ladwig	1995-07-14
144	Peter	Vargas	1998-07-09
187	Anthony	Cabrio	1999-02-07
190	Timothy	Gates	1998-07-11
194	Samuel	McCain	1998-07-01
203	Susan	Mavris	1994-06-07
204	Hermann	Baer	1994-06-07

employees 34 | Context Help | Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
38	12:53:44	SELECT left(first_name, 8), REPEAT('\$', FLOOR(salary/1000)) 'SALARY(\$)', salary FROM employees WHERE POSITION("07" IN DATE_FORMAT(hire_date, '%d %m %Y'))>0;	107 row(s) returned	0.000 sec / 0.000 sec
39	12:54:06	SELECT employee_id,first_name,last_name,hire_date FROM employees WHERE POSITION("07" IN DATE_FORMAT(hire_date, '%d %m %Y'))>0;	16 row(s) returned	0.000 sec / 0.000 sec

Output