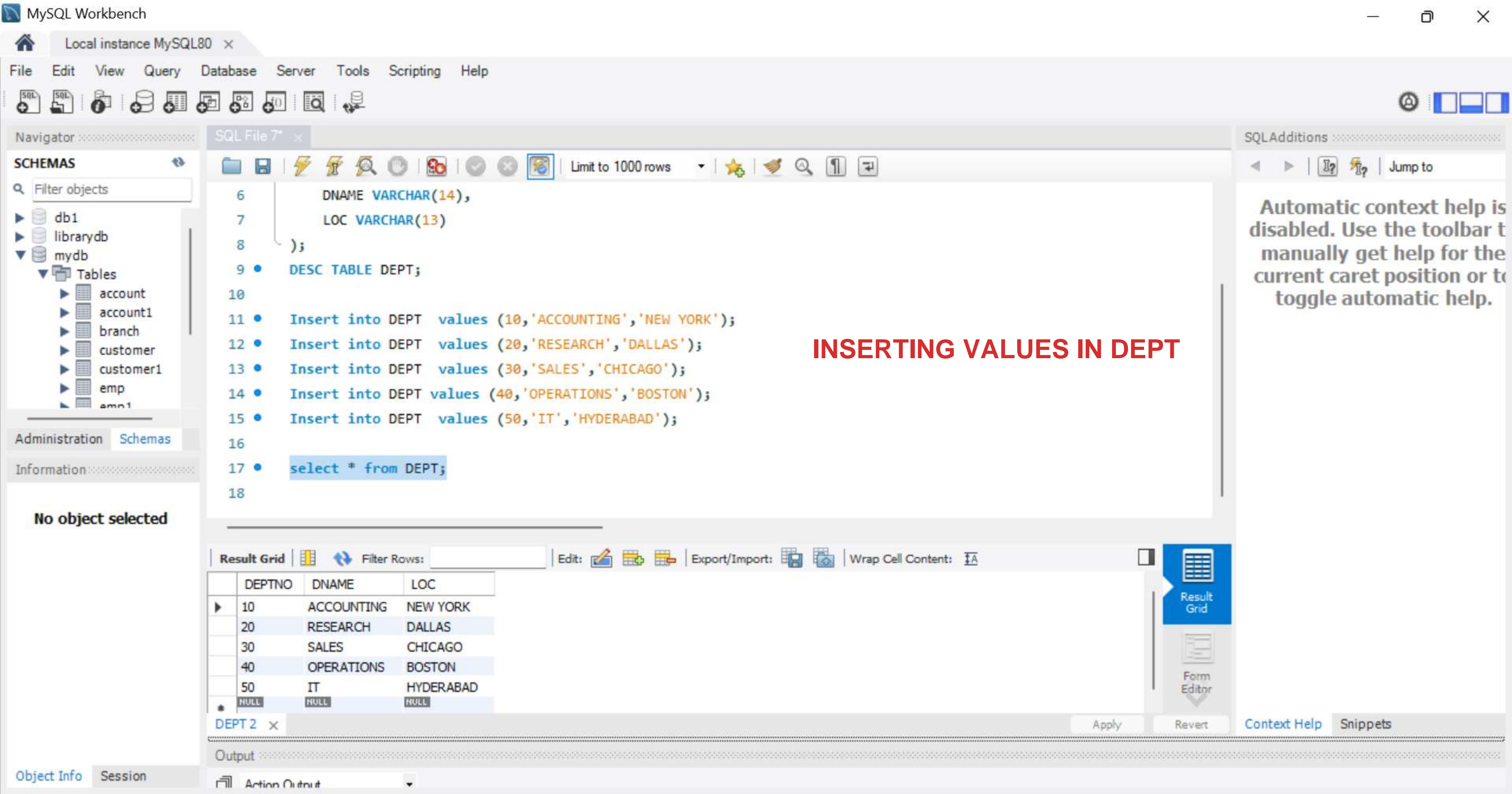


CREATING TABLE DEPT



```
6      DNAME VARCHAR(14),
7      LOC VARCHAR(13)
8  );
9  • DESC TABLE DEPT;
10
11  • Insert into DEPT values (10,'ACCOUNTING','NEW YORK');
12  • Insert into DEPT values (20,'RESEARCH','DALLAS');
13  • Insert into DEPT values (30,'SALES','CHICAGO');
14  • Insert into DEPT values (40,'OPERATIONS','BOSTON');
15  • Insert into DEPT values (50,'IT','HYDERABAD');
16
17  • select * from DEPT;
18
```

INSERTING VALUES IN DEPT

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

	DEPTNO	DNAME	LOC
▶	10	ACCOUNTING	NEW YORK
	20	RESEARCH	DALLAS
	30	SALES	CHICAGO
	40	OPERATIONS	BOSTON
	50	IT	HYDERABAD
•	NULL	NULL	NULL

DEPT 2 x

Apply

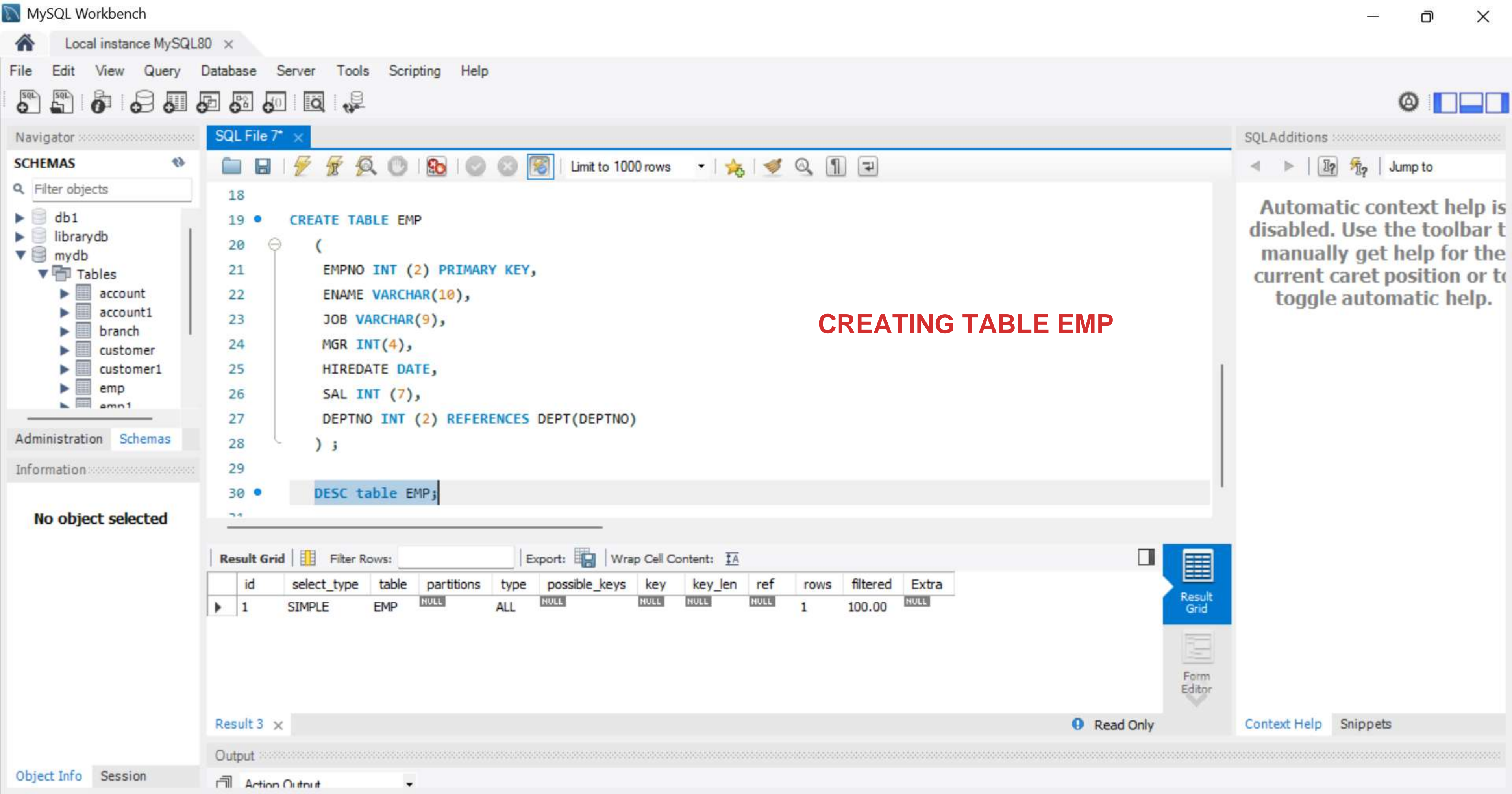
Revert

Context Help

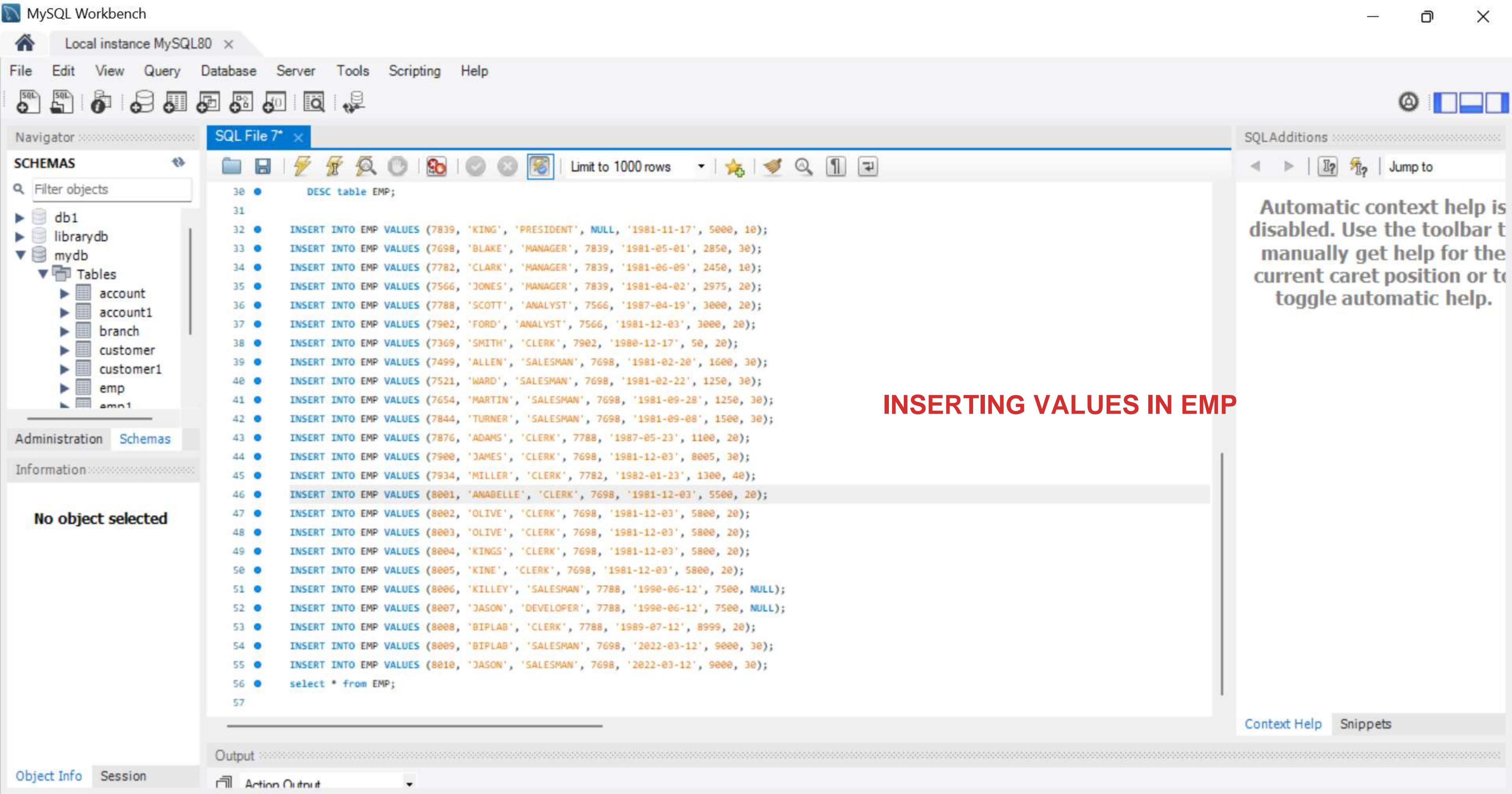
Snippets

Output

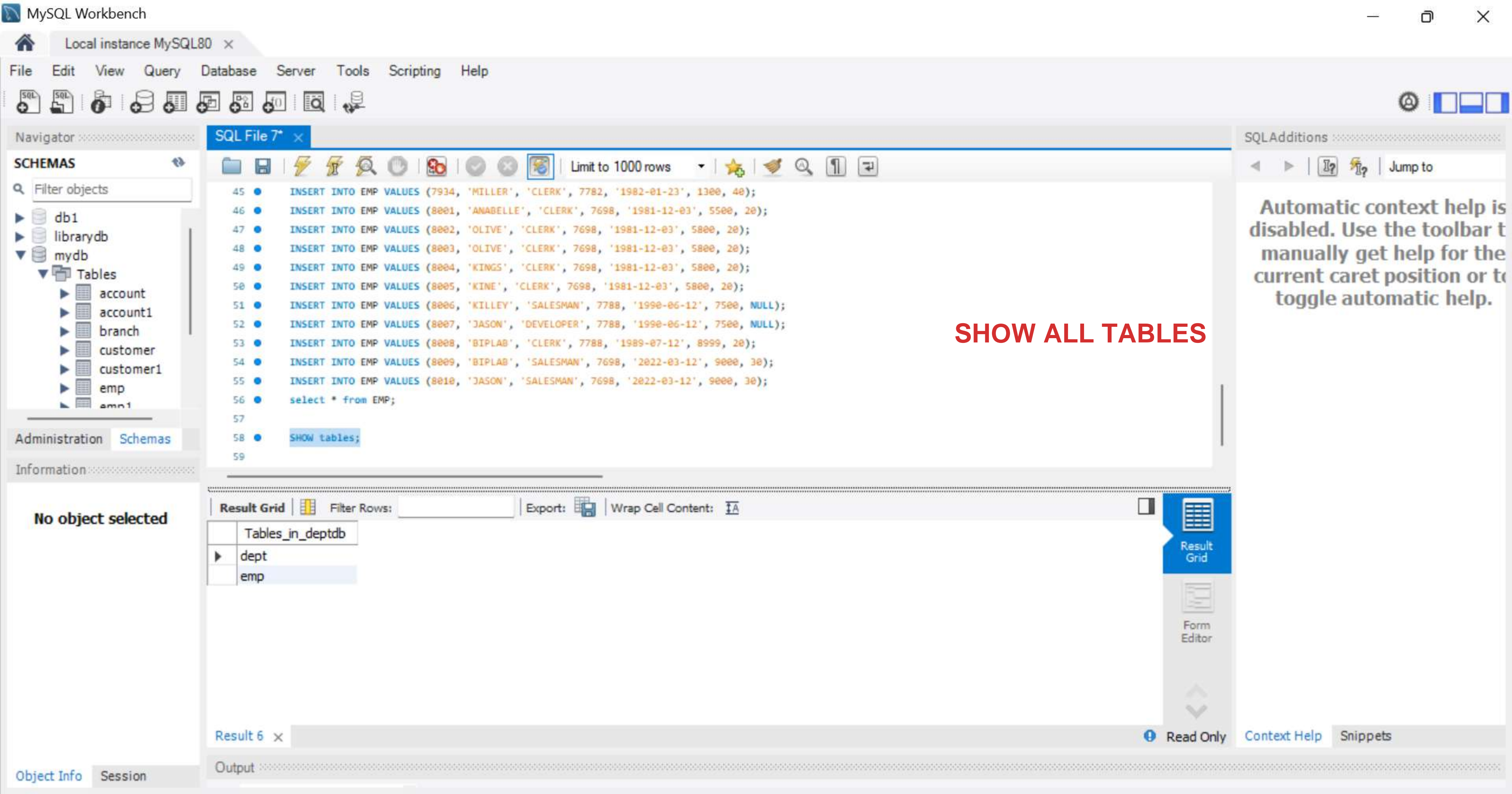
Action Output



CREATING TABLE EMP



INSERTING VALUES IN EMP



SHOW ALL TABLES

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

SQL File 7

Limit to 1000 rows

SCHEMAS

Filter objects

db1

librarydb

mydb

Tables

account

account1

branch

customer

customer1

emp

emp1

Administration Schemas

Information

No object selected

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

Field Types

EMP 8

Read Only

Context Help

Snippets

Output

Action Output

SQL File 7

57

58 • SHOW tables;

59

60 /*QUERIES*/

61 #1 Select all employee and salary who are earning more than employee 7839.

62 • select ENAME , SAL

63 from EMP

64 where SAL > (select SAL from EMP where EMPNO = 7839);

65

SQLAdditions

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

SQL QUERIES AND COMMANDS ALONG WITH OUTPUT

	ENAME	SAL
▶	JAMES	8005
	ANABELLE	5500
	OLIVE	5800
	OLIVE	5800
	KINGS	5800
	KINE	5800
	KILLEY	7500
	JASON	7500
	BIPLAB	8999
	BIPLAB	9000
	JASON	9000

No object selected

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

```
65
66 #2. Select employee name, salary, employee 7499 's salary for employees earning more than employee 7499.
67
68 • select ENAME, SAL,
69 (select SAL from EMP where EMPNO = 7499) as SAL_7499
70 from EMP where SAL > (select SAL from EMP where EMPNO = 7499);
71
```

Result Grid				Filter Rows:	Export:	Wrap Cell Content:
	ENAME	SAL	SAL_7499			
▶	JONES	2975	1600			
	BLAKE	2850	1600			
	CLARK	2450	1600			
	SCOTT	3000	1600			
	KING	5000	1600			
	JAMES	8005	1600			
	FORD	3000	1600			
	ANABELLE	5500	1600			
	OLIVE	5800	1600			
	OLIVE	5800	1600			
	KINGS	5800	1600			
	KINE	5800	1600			
	KILLEY	7500	1600			
	JASON	7500	1600			

Result 9

Result Grid

Form
Editor

Field Types

Query
Stats

Read Only

Context Help

Snippets

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 7*

Limit to 1000 rows

67

68 • select ENAME, SAL,

69 (select SAL from EMP where EMPNO = 7499) as SAL_7499

70 from EMP where SAL > (select SAL from EMP where EMPNO = 7499);

71

72 #3. Select all details of employees who belong to the same department as employee 7839.

73

74 • select * from EMP

75 where EMPNO =(select DEPTNO from DEPT where DEPTNO = 7839);

76

SQLAdditions

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

Navigation

SCHEMAS

Filter objects

db1

librarydb

mydb

- Tables
 - account
 - account1
 - branch
 - customer
 - customer1
 - emp
 - emp1

Administration

Schemas

Information

No object selected

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

EMP 10

Apply

Revert

Context Help

Snippets

Output

Action Output

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 7

Limit to 1000 rows

SCHEMAS

Filter objects

db1

librarydb

mydb

Tables

account

account1

branch

customer

customer1

emp

emp1

Administration

Schemas

Information

No object selected

SQL File 7

from EMP

where SAL > (select AVG(SAL) from EMP);

/* 5.Select all employee details who were hired before BLAKE.*/

select *

from EMP

where HIREDATE < (select HIREDATE from EMP where ENAME = 'BLAKE');

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	DEPTNO
▶	7369	SMITH	CLERK	7902	1980-12-17	50	20
	7499	ALLEN	SALESMAN	7698	1981-02-20	1600	30
	7521	WARD	SALESMAN	7698	1981-02-22	1250	30
	7566	JONES	MANAGER	7839	1981-04-02	2975	20
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

EMP 12

Apply

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
---	------	--------	---------	------------------

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 MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Navigator

SQL File 7

SQLAdditions

SCHEMAS

Filter objects

db1

librarydb

mydb

- Tables
 - account
 - account1
 - branch
 - customer
 - customer1
 - emp
 - emp1

AdministrationSchemas

Information

No object selected

86

•

select *

87

from EMP

88

where HIREDATE < (select HIREDATE from EMP where ENAME = 'BLAKE');

89

/*6. Select all employee names and salaries who are earning more than BLAKE but less than KING.*/

90

91

•

select ENAME,SAL

92

from EMP

93

where SAL> (select SAL from EMP where ENAME = 'BLAKE') and SAL< (select SAL from EMP where ENAME = 'KING');

94

95

96

Limit to 1000 rows

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

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

EMP 13

Read Only

Context Help

Snippets

Output

Action Output

#

Time

Action

Message

Duration / Fetch

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Navigator

SQL File 7

SQLAdditions

SCHEMAS

Filter objects

db1

librarydb

mydb

- Tables
 - account
 - account1
 - branch
 - customer
 - customer1
 - emp
 - emp1

AdministrationSchemas

Information

No object selected

91

92 • select ENAME,SAL

93 from EMP

94 where SAL> (select SAL from EMP where ENAME ='BLAKE') and SAL< (select SAL from EMP where ENAME ='KING');

95

96 #7. Select all department numbers which have more employees than department 10.

97

98 • select DEPTNO

99 from EMP

100 group by DEPTNO

101 having COUNT(*) > (select COUNT(*) from EMP where DEPTNO = 10);

102

103

Limit to 1000 rows

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

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

EMP 14

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
---	------	--------	---------	------------------

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Navigator

SQL File 7

SQLAdditions

SCHEMAS

Filter objects

db1

librarydb

mydb

- Tables
 - account
 - account1
 - branch
 - customer
 - customer1
 - emp
 - emp1

Administration

Schemas

Information

No object selected

103

#8.Select all department names which have more employees working than the 'ACCOUNTING' department.

104

select DNAME

105

from DEPT

106

where DEPTNO in (

107

select DEPTNO

108

from EMP

109

group by DEPTNO

110

having count(EMPNO) > (select count(EMPNO) from EMP where DEPTNO =

111

(select DEPTNO from DEPT where DNAME = 'ACCOUNTING')));

112

Limit to 1000 rows

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

DNAME

RESEARCH

SALES

DEPT 15

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
50	19:18:01	select ENAME, SAL, (select AVG(SAL) from EMP) as AVG_SAL from EMP where SAL ...	12 row(s) returned	0.000 sec / 0.000 sec
51	19:21:16	select * from EMP where HIREDATE < (select HIREDATE from EMP where ENAME = '...	4 row(s) returned	0.000 sec / 0.000 sec
52	19:23:38	select FNAME SAL from EMP where SAL > (select SAL from EMP where FNAME = 'RI A	3 row(s) returned	0.016 sec / 0.000 sec

No object selected

```

33 ● INSERT INTO EMP VALUES (7698, 'BLAKE', 'MANAGER', 7839, '1981-05-01', 2850, 30);
34 ● INSERT INTO EMP VALUES (7782, 'CLARK', 'MANAGER', 7839, '1981-06-09', 2450, 10);
35 ● INSERT INTO EMP VALUES (7566, 'JONES', 'MANAGER', 7839, '1981-04-02', 2975, 20);
36 ● INSERT INTO EMP VALUES (7788, 'SCOTT', 'ANALYST', 7566, '1987-04-19', 3000, 20);
37 ● INSERT INTO EMP VALUES (7902, 'FORD', 'ANALYST', 7566, '1981-12-03', 3000, 20);
38 ● INSERT INTO EMP VALUES (7369, 'SMITH', 'CLERK', 7902, '1980-12-17', 50, 20);
39 ● INSERT INTO EMP VALUES (7499, 'ALLEN', 'SALESMAN', 7698, '1981-02-20', 1600, 30);
40 ● INSERT INTO EMP VALUES (7521, 'WARD', 'SALESMAN', 7698, '1981-02-22', 1250, 30);
41 ● INSERT INTO EMP VALUES (7654, 'MARTIN', 'SALESMAN', 7698, '1981-09-28', 1250, 30);
42 ● INSERT INTO EMP VALUES (7844, 'TURNER', 'SALESMAN', 7698, '1981-09-08', 1500, 30);
43 ● INSERT INTO EMP VALUES (7876, 'ADAMS', 'CLERK', 7788, '1987-05-23', 1100, 20);
44 ● INSERT INTO EMP VALUES (7900, 'JAMES', 'CLERK', 7698, '1981-12-03', 8005, 30);
45 ● INSERT INTO EMP VALUES (7934, 'MILLER', 'CLERK', 7782, '1982-01-23', 1300, 40);
46 ● INSERT INTO EMP VALUES (8001, 'ANABELLE', 'CLERK', 7698, '1981-12-03', 5500, 20);
47 ● INSERT INTO EMP VALUES (8002, 'OLIVE', 'CLERK', 7698, '1981-12-03', 5800, 20);
48 ● INSERT INTO EMP VALUES (8003, 'OLIVE', 'CLERK', 7698, '1981-12-03', 5800, 20);
49 ● INSERT INTO EMP VALUES (8004, 'KINGS', 'CLERK', 7698, '1981-12-03', 5800, 20);
50 ● INSERT INTO EMP VALUES (8005, 'KINE', 'CLERK', 7698, '1981-12-03', 5800, 20);
51 ● INSERT INTO EMP VALUES (8006, 'KILLEY', 'SALESMAN', 7788, '1990-06-12', 7500, NULL);
52 ● INSERT INTO EMP VALUES (8007, 'JASON', 'DEVELOPER', 7788, '1990-06-12', 7500, NULL);
53 ● INSERT INTO EMP VALUES (8008, 'BIPLAB', 'CLERK', 7788, '1989-07-12', 8999, 20);
54 ● INSERT INTO EMP VALUES (8009, 'BIPLAB', 'SALESMAN', 7698, '2022-03-12', 9000, 30);
55 ● INSERT INTO EMP VALUES (8010, 'JASON', 'SALESMAN', 7698, '2022-03-12', 9000, 30);

```

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

#	Time	Action	Message	Duration / Fetch
57	19:48:37	select MAX(SAL) from EMP where SAL < (select MAX(SAL) from EMP where SAL < (se...	1 row(s) returned	0.000 sec / 0.000 sec
58	19:49:45	select MAX(SAL) from EMP where SAL < (select MAX(SAL) from EMP where (SAL < (s...	1 row(s) returned	0.015 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Navigator

SQL File 7

SQLAdditions

SCHEMAS

Filter objects

db1

librarydb

mydb

- Tables
 - account
 - account1
 - branch
 - customer
 - customer1
 - emp
 - emp1

Administration

Schemas

Information

No object selected

111

112

113

114

115

116

117

118

119

120

(select DEPTNO from DEPT where DNAME = 'ACCOUNTING')));

#9. Select the 3rd highest salary.

select distinct SAL

from EMP

order by SAL desc

limit 1 offset 2;

Limit to 1000 rows

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Fetch rows:

Result Grid

Form Editor

EMP 19

Read Only

Context Help

Snippets

Output

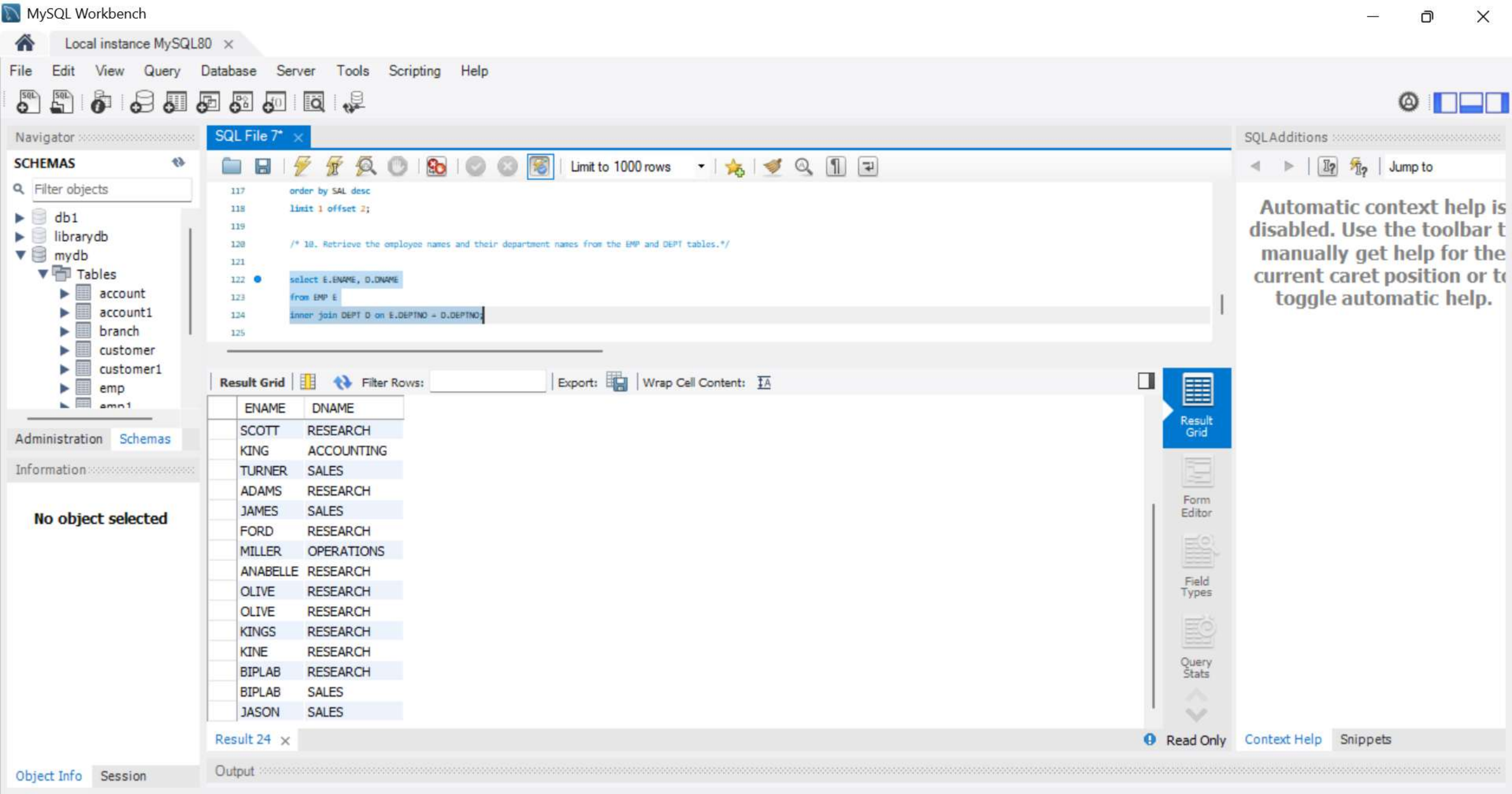
Action Output

#	Time	Action	Message	Duration / Fetch
59	19:51:55	SELECT DISTINCT SAL FROM EMP ORDER BY SAL DESC LIMIT 1 OFFSET 2	1 row(s) returned	0.000 sec / 0.000 sec
60	19:52:40	select distinct SAL from EMP order by SAL desc limit 1 offset 2	1 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

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 MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL

SQL

Navigator

SQL File 7

Limit to 1000 rows

SCHEMAS

Filter objects

db1

librarydb

mydb

- Tables
 - account
 - account1
 - branch
 - customer
 - customer1
 - emp
 - emp1

AdministrationSchemas

Information

No object selected

124inner join DEPT D on E.DEPTNO = D.DEPTNO;

125

126/*11 . Retrieve all employees and their respective department names.

127Also, include employees who do not have a matching department.*/

128

129select E.ENAME, D.DNAME

130from EMP E

131left join DEPT D on E.DEPTNO = D.DEPTNO;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	ENAME	DNAME
▶	SMITH	RESEARCH
	ALLEN	SALES
	WARD	SALES
	JONES	RESEARCH
	MARTIN	SALES
	BLAKE	SALES
	CLARK	ACCOUNTING
	SCOTT	RESEARCH
	KING	ACCOUNTING
	TURNER	SALES
	ADAMS	RESEARCH
	JAMES	SALES
	FORD	RESEARCH
	MILLER	OPERATIONS
	AMABLE	RESEARCH

Result 25

SQLAdditions

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

Read Only

Context Help

Snippets

Object Info

Session

Output

No object selected

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

```

124     inner join DEPT D on E.DEPTNO = D.DEPTNO;
125
126     /*11 . Retrieve all employees and their respective department names.
127     Also, include employees who do not have a matching department.*/
128
129     select E.ENAME, D.DNAME
130     from EMP E
131     left join DEPT D on E.DEPTNO = D.DEPTNO;

```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	ENAME	DNAME			
	JAMES	SALES			
	FORD	RESEARCH			
	MILLER	OPERATIONS			
	ANABELLE	RESEARCH			
	OLIVE	RESEARCH			
	OLIVE	RESEARCH			
	KINGS	RESEARCH			
	KINE	RESEARCH			
	KILLEY	NULL			
	JASON	NULL			
	BIPLAB	RESEARCH			
	BIPLAB	SALES			
	JASON	SALES			

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

SQL File 7

Limit to 1000 rows

133

/* 12. Retrieve all departments and the employees working in them.

134

Also, include departments with no employees."*/

135

136

• select E.ENAME, D.DNAME

137

from EMP E

138

right join DEPT D on E.DEPTNO = D.DEPTNO;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	ENAME	DNAME
▶	KING	ACCOUNTING
	CLARK	ACCOUNTING
	BIPLAB	RESEARCH
	KINE	RESEARCH
	KINGS	RESEARCH
	OLIVE	RESEARCH
	OLIVE	RESEARCH
	ANABELLE	RESEARCH
	FORD	RESEARCH
	ADAMS	RESEARCH
	SCOTT	RESEARCH
	JONES	RESEARCH
	SMITH	RESEARCH
	JASON	SALES
	BIPLAB	SALES
	---	---

Result 26

Read Only

Context Help

Snippets

Navigation

SCHEMAS

Filter objects

db1

librarydb

mydb

Tables

account

account1

branch

customer

customer1

emp

emp1

Administration

Schemas

Information

No object selected

SQLAdditions

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

No object selected

```
133  /* 12. Retrieve all departments and the employees working in them.  
134  Also, include departments with no employees."*/  
135  
136  select E.ENAME, D.DNAME  
137  from EMP E  
138  right join DEPT D on E.DEPTNO = D.DEPTNO;
```

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

	ENAME	DNAME
	FORD	RESEARCH
	ADAMS	RESEARCH
	SCOTT	RESEARCH
	JONES	RESEARCH
	SMITH	RESEARCH
	JASON	SALES
	BIPLAB	SALES
	JAMES	SALES
	TURNER	SALES
	BLAKE	SALES
	MARTIN	SALES
	WARD	SALES
	ALLEN	SALES
	MILLER	OPERATIONS
	NULL	IT

Result 26

Read Only Context Help Snippets

Object Info

Output

SQLAdditions

◀ ▶ | I? I? | Jump to

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