

Task_4: Create table given below: Salesperson and Customer:

TABLE-1

TABLE NAME- SALSEPERSON

(PK)SNo	SNAME	CITY	COMM
1001	Peel	London	.12
1002	Serres	San Jose	.13
1004	Motika	London	.11
1007	Rafkin	Barcelona	.15
1003	Axelrod	New York	.1

TABLE-2

TABLE NAME- CUSTOMER

(PK)CNM.	CNAME	CITY	RATING	(FK)SNo
201	Hoffman	London	100	1001
202	Giovanne	Roe	200	1003
203	Liu	San Jose	300	1002
204	Grass	Barcelona	100	1002
206	Clemens	London	300	1007
207	Pereira	Roe	100	1004

Solution:

Table_1:Salesperson

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

Tables

Views

Stored Procedures

Functions

sys

SQL File Editor

```
1 use komal;  
2 select * from Salesperson;  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13
```

Result Grid

SNO	SNAME	CITY	COMM
1001	Peel	London	0.12
1002	Serres	San Jose	0.13
1004	Motika	London	0.11
1007	Rafkin	Barcelona	0.15
1003	Axelrod	New York	0.1

Output

#	Time	Action	Message	Duration / Fetch
26	13:25:03	use komal	0 row(s) affected	0.000 sec
27	13:25:03	select * from Salesperson LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

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

Table_2:CUSTOMER

The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following queries:

```
1 use komal;
2 select * from CUSTOMER;
```

The Result Grid displays the data from the CUSTOMER table:

CNM	CNAME	CITY	RATING	SNO
201	Hoffman	London	100	1001
202	Giovane	Roe	200	1003
203	Liu	San Jose	300	1002
204	Grass	Barcelona	100	1002
206	Clemens	London	300	1007
207	Pereira	Roe	100	1004

The left sidebar shows the Schemas tree with the 'komal' database selected. The bottom status bar indicates 'Read Only' and 'Context Help'.

*Retrieve the below data from above table:

a) All orders for more than \$1000.:

The screenshot shows the MySQL Workbench interface with the following queries in the SQL Editor:

```
1 show databases;
2 select * from CUSTOMER where SNO > 1000 order by SNO;
```

The Result Grid displays the data from the CUSTOMER table, filtered by SNO > 1000:

CNM	CNAME	CITY	RATING	SNO
201	Hoffman	London	100	1001
203	Liu	San Jose	300	1002
204	Grass	Barcelona	100	1002
202	Giovane	Roe	200	1003
207	Pereira	Roe	100	1004
206	Clemens	London	300	1007

The bottom status bar shows the execution of the query, with the following details:

#	Time	Action	Message	Duration / Fetch
52	13:47:50	Insert into CUSTOMER values (207,'Pereira','Roe',100,1004)	1 row(s) affected	0.000 sec
53	13:48:29	use komal	0 row(s) affected	0.000 sec
54	13:48:29	select * from CUSTOMER LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
55	13:52:12	show databases	6 row(s) returned	0.000 sec / 0.000 sec
56	13:52:12	select * from CUSTOMER where SNO > 1000 order by SNO LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

The left sidebar shows the Schemas tree with the 'komal' database selected. The bottom status bar indicates 'Read Only' and 'Context Help'.

b) Names and cities of all salespeople in London with commission above 0.12:

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 show databases;
2 select SNAME,CITY from Salesperson where CITY ="London" and COOMM <=0.12;
3
4
```

The result grid displays the following data:

SNAME	CITY
Peel	London
Motika	London

The output pane shows the execution log with the following entry for the query:

#	Time	Action	Message	Duration / Fetch
58	13:55:00	select SNAME,CITY from Salesperson where CITY ="London" and COOMM <=0.12 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

c) All salespeople either in Barcelona or in London:

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 show databases;
2 select * from Salesperson where city in ("Barcelona","London");
3
4
```

The result grid displays the following data:

SNO	SNAME	CITY	COOMM
1001	Peel	London	0.12
1004	Motika	London	0.11
1007	Rafin	Barcelona	0.15

The output pane shows the execution log with the following entry for the query:

#	Time	Action	Message	Duration / Fetch
60	13:56:37	select * from Salesperson where city in ("Barcelona","London") LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

d) All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded):

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

```

1 • show databases;
2 • select * from Salesperson where COOPM between 0.10 and 0.12;

```

The Results tab displays the output of the second query:

SNO	SNAME	CITY	COOPM
1001	Peel	London	0.12
1004	Motika	London	0.11
1003	Axelod	New York	0.1

The Output tab shows the execution log:

#	Time	Action	Message	Duration / Fetch
58	13:55:00	select SNAME,CITY from Salesperson where CITY = "London" and COOPM <= 12 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
59	13:56:37	show databases	6 row(s) returned	0.000 sec / 0.000 sec
60	13:56:37	select * from Salesperson where city in ("Barcelona","London") LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
61	13:57:57	show databases	6 row(s) returned	0.000 sec / 0.000 sec
62	13:57:57	select * from Salesperson where COOPM between 0.10 and 0.12 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

e) All customers excluding those with rating ≤ 100 unless they are located in Rome:

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

```

1 • show databases;
2 • select * from CUSTOMER where rating <=100 or city="Rome";

```

The Results tab displays the output of the second query:

CNM	CNAME	CITY	RATING	SNO
201	Hoffman	London	100	1001
204	Grass	Barcelona	100	1002
207	Perera	Roe	100	1004

The Output tab shows the execution log:

#	Time	Action	Message	Duration / Fetch
66	14:00:01	select * from CUSTOMER where rating <100 or city="Roe" LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
67	14:00:11	show databases	6 row(s) returned	0.000 sec / 0.000 sec
68	14:00:11	select * from CUSTOMER where rating <=100 or city="Roe" LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
69	14:02:25	show databases	6 row(s) returned	0.000 sec / 0.000 sec
70	14:02:25	select * from CUSTOMER where rating <=100 or city="Rome" LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

