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**56614**

**BS – DS 4-1**

Q1:

Local Instance 3306 - Warning - not supported

Administration Schemas Query 1

Limit to 1000 rows

SCHEMAS

Filter objects

EMP

Tables

employees

Columns

Name

Id

Salary

Department

Indexes

Foreign Keys

Triggers

Views

Stored Procedures

Functions

sys

```
10 );
11
12 INSERT INTO employees (Name, Id, Salary, Department) VALUES
13 ('Alice Johnson', 101, 55000.00, 'HR'),
14 ('Bob Smith', 102, 72000.50, 'Engineering'),
15 ('Charlie Brown', 103, 48000.00, 'Marketing'),
16 ('Diana Prince', 104, 65000.75, 'Sales'),
17 ('Ethan Hunt', 105, 82000.00, 'Operations'),
18 ('Fiona Gallagher', 106, 46000.00, 'Customer Support'),
19 ('George Lopez', 107, 75000.25, 'Engineering'),
20 ('Hannah Lee', 108, 58000.00, 'Finance'),
21 ('Ivan Drago', 109, 67000.80, 'Logistics'),
22 ('Jane Foster', 110, 69000.90, 'Research');
23
24
25 create view employee_info as select Id ,Name ,Salary , Salary * 0.10 as Tax from employees;
26
27 select * from employee_info;
28
```

100% 44:21

Result Grid

	Id	Name	Salary	Tax
101	Alice Johnson	55000	5500	
102	Bob Smith	72000.5	7200.05	
103	Charlie Brown	48000	4800	
104	Diana Prince	65000.8	6500.075000000001	
105	Ethan Hunt	82000	8200	
106	Fiona Gallagher	46000	4600	
107	George Lopez	75000.2	7500.025000000001	
108	Hannah Lee	58000	5800	
109	Ivan Drago	67000.8	6700.076875000001	
110	Jane Foster	69000.9	6900.08984375	

employee\_info 1

Action Output

	Time	Action	Response	Duration / Fetch Time
6	09:37:36	create view employee_info as select Id ,Name ,Salary , Salary * 0.10 as Tax from employees	0 row(s) affected	0.038 sec
7	09:38:04	select * from employee_info LIMIT 0, 1000	10 row(s) returned	0.010 sec / 0.00092...

Query Completed

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

Q2:

Local Instance 3306 - Warning - not supported

Administration Schemas Query 1

Limit to 1000 rows

SCHEMAS

Filter objects

EMP

Tables

employees

job

Views

Stored Procedures

Functions

sys

```
37 (1, 'Software Engineer'),
38 (2, 'Data Analyst'),
39 (3, 'Project Manager'),
40 (4, 'HR Specialist'),
41 (5, 'Sales Executive'),
42 (6, 'Marketing Coordinator'),
43 (7, 'Operations Manager'),
44 (8, 'Financial Analyst'),
45 (9, 'Customer Support Rep'),
46 (10, 'Research Scientist');
47
48 create view job_info as select e.Id, e.Name, e.Salary, j.job_title from employees e join job j on e.job_id = j.job_id;
49
50 select * from job_info;
51
52 select * from employees;
53
54
55
```

100% 24:50

Result Grid

	Id	Name	Salary	job_title
101	Alice Johnson	55000	Software Engineer	
102	Bob Smith	72000.5	Data Analyst	
103	Charlie Brown	48000	Project Manager	
104	Diana Prince	65000.8	HR Specialist	
105	Ethan Hunt	82000	Sales Executive	
106	Fiona Gallagher	46000	Marketing Coordinator	
107	George Lopez	75000.2	Operations Manager	
108	Hannah Lee	58000	Financial Analyst	
109	Ivan Drago	67000.8	Customer Support Rep	
110	Jane Foster	69000.9	Research Scientist	

job\_info 9

Action Output

	Time	Action	Response	Duration / Fetch Time
31	09:57:45	INSERT INTO employees (Name, Id, Salary, Department, job_id) VALUES ('Alice Johnson', 101, 55000.00, 'HR', 1), ('Bob Smith', 102, ...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.0050 sec
32	09:57:49	select * from job_info LIMIT 0, 1000	10 row(s) returned	0.0013 sec / 0.00002...

Query Completed

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

### Q3:

Local Instance 3306 - Warning - not supported

Administration Schemas Query 1

SCHEMAS Filter objects

- EMP
  - Tables
    - employees
    - job
  - Views
  - Stored Procedures
  - Functions
- sys

Limit to 1000 rows

```
41 (5, 'Sales Executive'),
42 (6, 'Marketing Coordinator'),
43 (7, 'Operations Manager'),
44 (8, 'Financial Analyst'),
45 (9, 'Customer Support Rep'),
46 (10, 'Research Scientist');
47
48 create view job_info as select e.Id, e.Name, e.Salary, j.job_title from employees e join job j on e.job_id = j.job_id;
49
50 select * from job_info;
51
52 select * from employees;
53
54
55
56
57 create or replace view job_info as select e.Id, e.Name, e.Salary, e.Department, j.job_title from employees e join job j on e.job_id = j.job_id;
58
59 select * from job_info;
```

Result Grid

Id	Name	Salary	Department	job_title
101	Alice Johnson	55000	HR	Software Engineer
102	Bob Smith	72000.5	Engineering	Data Analyst
103	Charlie Brown	48000	Marketing	Project Manager
104	Diana Prince	65000.8	Sales	HR Specialist
105	Ethan Hunt	82000	Operations	Sales Executive
106	Fiona Gallagher	46000	Customer Support	Marketing Coordinator
107	George Lopez	75000.2	Engineering	Operations Manager
108	Hannah Lee	58000	Finance	Financial Analyst
109	Ivan Drago	67000.8	Logistics	Customer Support Rep
110	Jane Foster	69000.9	Research	Research Scientist

job\_info 10

Action Output

Time	Action	Response	Duration / Fetch Time
10:06:10	create or replace view job_info as select e.Id, e.Name, e.Salary, e.Department, j.job_title from employees e join job j on e.job_id = j.job_id;	0 row(s) affected	0.0054 sec
10:06:25	select * from job_info LIMIT 0, 1000	10 row(s) returned	0.0028 sec / 0.00002...

Query Completed

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

### Q4:

Local Instance 3306 - Warning - not supported

Administration Schemas Query 1

SCHEMAS Filter objects

- EMP
  - Tables
    - employees
    - job
  - Views
  - Stored Procedures
  - Functions
- sys

Limit to 1000 rows

```
45 (9, 'Customer Support Rep'),
46 (10, 'Research Scientist');
47
48 create view job_info as select e.Id, e.Name, e.Salary, j.job_title from employees e join job j on e.job_id = j.job_id;
49
50 select * from job_info;
51
52 select * from employees;
53
54
55
56
57 create or replace view job_info as select e.Id, e.Name, e.Salary, e.Department, j.job_title from employees e join job j on e.job_id = j.job_id;
58
59 select * from job_info;
60
61 create view Highest_Salary as select Id, Name, Salary from employees where Salary > 70000;
62
63 select * from Highest_Salary;
```

Result Grid

Id	Name	Salary
102	Bob Smith	72000.5
105	Ethan Hunt	82000
107	George Lopez	75000.2

Highest\_Salary 11

Action Output

Time	Action	Response	Duration / Fetch Time
10:10:10	create view Highest_Salary as select Id, Name, Salary from employees where Salary > 70000	0 row(s) affected	0.0064 sec
10:10:30	select * from Highest_Salary LIMIT 0, 1000	3 row(s) returned	0.0028 sec / 0.00002...

Query Completed

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

## Q5:

Local Instance 3306 - Warning - not supported

Administration Schemas Query 1

Limit to 1000 rows

SCHEMAS

Filter objects

EMP

Tables

employees

job

Views

Stored Procedures

Functions

sys

```

31 create table job(
32 job_id int primary key,
33 job_title varchar(50)
34 );
35
36 INSERT INTO job (job_id, job_title) VALUES
37 (1, 'Software Engineer'),
38 (2, 'Data Analyst'),
39 (3, 'Project Manager'),
40 (4, 'HR Specialist'),
41 (5, 'Sales Executive'),
42 (6, 'Marketing Coordinator'),
43 (7, 'Operations Manager'),
44 (8, 'Financial Analyst'),
45 (9, 'Customer Support Rep'),
46 (10, 'Research Scientist');
47
48 create view job_info as select e.Id, e.Name, e.Salary, j.job_title from employees e join job j on e.job_id = j.job_id;
49
50 select * from job_info;
51
52 select * from employees;
53
54
55
56
57
58
59 create or replace view job_info as select e.Id, e.Name, e.Salary, e.Department , j.job_title from employees e join job j on e.job_id = j.job_id;
60
61 select * from job_info;
62
63 create view Highest_Salary as select Id , Name ,Salary from employees where Salary > 70000;
64
65 select * from Highest_Salary;
66
67 drop view Highest_Salary;
68

```

100% 1:65

Action Output

	Time	Action	Response	Duration / Fetch Time
42	10:10:30	select * from Highest_Salary LIMIT 0, 1000	3 row(s) returned	0.0028 sec / 0.00002...
43	10:12:26	drop view Highest_Salary	0 row(s) affected	0.0060 sec

Query Completed

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

## Q6:

Local Instance 3306 - Warning - not supported

Administration Schemas Query 1

Limit to 1000 rows

SCHEMAS

Filter objects

EMP

Tables could not be f...

department

employees

job

Views could not be fe...

Stored Procedures c...

Functions could not...

sys

```

77 (4, 'Sales'),
78 (5, 'Operations'),
79 (6, 'Customer Support'),
80 (7, 'Finance'),
81 (8, 'Logistics'),
82 (9, 'Research'),
83 (10, 'Legal');
84
85
86 create view count_view as select d.department_Name, COUNT(e.Id) as employee_count from department d
87 join employees e on d.department_id = e.department_id
88 group by d.department_Name;
89
90
91
92 select * from count_view;
93
94
95
96
97
98
99
100

```

100% 1:93

Result Grid

department_Na...	employee_cou...
Human Resources	1
Engineering	1
Marketing	1
Sales	1
Operations	1
Customer Support	1
Finance	1
Logistics	1
Research	1
Legal	1

count\_view 12

Action Output

	Time	Action	Response	Duration / Fetch Time
61	10:23:57	CREATE VIEW count_view AS SELECT d.department_Name, COUNT(e.Id) AS employee_count FROM department d JOIN employee...	0 row(s) affected	0.0041 sec
62	10:24:06	SELECT * FROM count_view LIMIT 0, 1000	10 row(s) returned	0.0034 sec / 0.00002...

Query Completed

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

**Q7:**

**Verification :**

A **select \* from view** query retrieves all the columns and data from a predefined view.

It presents a simplified perspective of one or more table often combining or filtering data.

Views help in organizing complex queries and enhancing data security by exposing only necessary information.