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DEPARTMENT: **B.Tech(ECE)**

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Solution

```sql
CREATE DATABASE emp_detailsDB;

USE emp_detailsDB;

-- Create the emp_details table

CREATE TABLE emp_details (

    emp_id INT PRIMARY KEY,

    emp_name VARCHAR(50),

    job_name VARCHAR(50),

    manager_id INT,

    hire_date DATE,

    salary DECIMAL(10, 2),

    comission DECIMAL(10, 2),

    dept_id INT

);


-- Insert the records

INSERT INTO emp_details (emp_id, emp_name, job_name, manager_id, hire_date, salary, comission, dept_id)

VALUES

    (68319, 'kayling', 'president', NULL, '1991-11-18', 6000.00, NULL, 1001),

    (66928, 'blaze', 'manager', 68319, '1991-05-01', 2750.00, NULL, 3001),

    (67832, 'clare', 'manager', 68319, '1991-06-09', 2550.00, NULL, 1001),

    (65646, 'jonas', 'manager', 68319, '1991-04-02', 2957.00, NULL, 2001),

    (67858, 'scarlet', 'analyst', 65646, '1997-04-19', 3100.00, NULL, 2001),

    (9602, 'frank', 'analyst', 65646, '1991-12-03', 3100.00, NULL, 2001);


-- Select all records with salary between 2500 and 3500

SELECT *

FROM emp_details

WHERE salary BETWEEN 2500 AND 3500;
```

-- Select all records with salary starting from digit 2 (use LIKE operator)
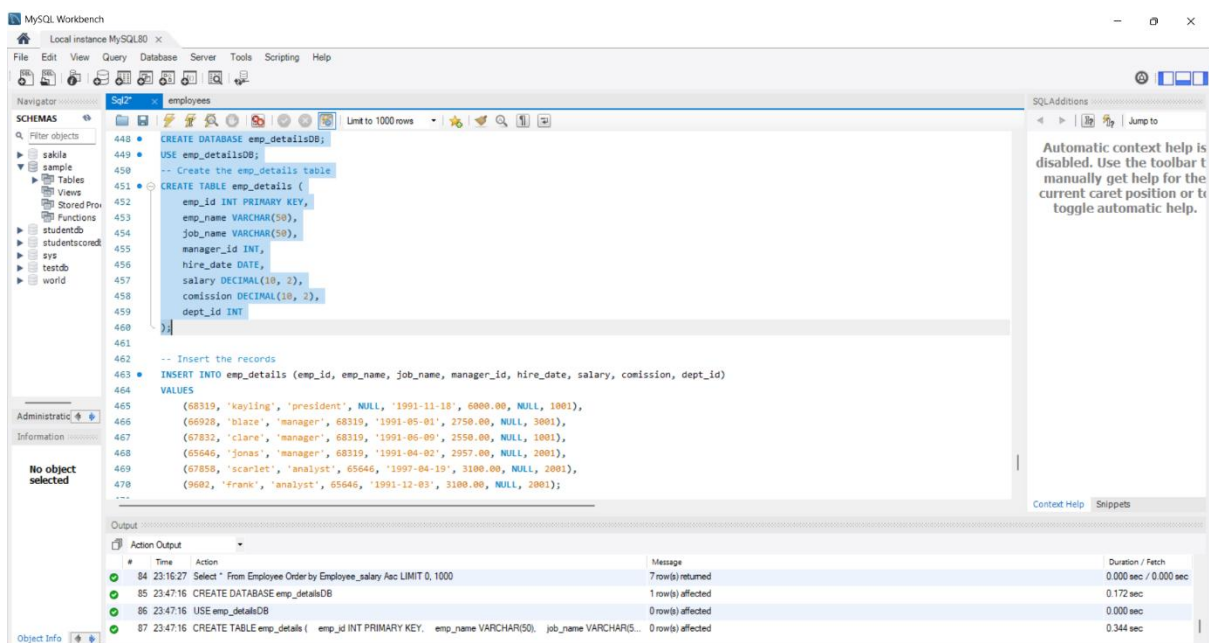
SELECT *

FROM emp_details

WHERE salary LIKE '2%';

-- Select all records with salary having digit 2 or 3 in between (use LIKE operator)

SELECT *

FROM emp_details

WHERE salary LIKE '%2%' OR salary LIKE '%3%';

-- Select all records having 0 in salary at the last position (use LIKE operator)

SELECT *

FROM emp_details

WHERE salary LIKE '%0';

Screenshot 1 — SQL Editor

```
462     -- Insert the records
463 •   INSERT INTO emp_details (emp_id, emp_name, job_name, manager_id, hire_date, salary, comission, dept_id)
464     VALUES
465         (68319, 'kayling', 'president', NULL, '1991-11-18', 6000.00, NULL, 1001),
466         (66928, 'blaze', 'manager', 68319, '1991-05-01', 2750.00, NULL, 3001),
467         (67832, 'clare', 'manager', 68319, '1991-06-09', 2550.00, NULL, 1001),
468         (65646, 'jonas', 'manager', 68319, '1991-04-02', 2957.00, NULL, 2001),
469         (67858, 'scarlet', 'analyst', 65646, '1997-04-19', 3100.00, NULL, 2001),
470         (9602, 'frank', 'analyst', 65646, '1991-12-03', 3100.00, NULL, 2001);
471
472     -- Select all records with salary between 2500 and 3500
473 •   SELECT *
474     FROM emp_details
475     WHERE salary BETWEEN 2500 AND 3500;
476
477     -- Select all records with salary starting from digit 2 (use LIKE operator)
478 •   SELECT *
479     FROM emp_details
480     WHERE salary LIKE '2%';
481
482     -- Select all records with salary having digit 2 or 3 in between (use LIKE operator)
483 •   SELECT *
484     FROM emp_details
```

Action Output

#	Time	Action	Message	Duration / Fetch
85	23:47:16	CREATE DATABASE emp_detailsDB	1 row(s) affected	0.172 sec
86	23:47:16	USE emp_detailsDB	0 row(s) affected	0.000 sec
87	23:47:16	CREATE TABLE emp_details (emp_id INT PRIMARY KEY, emp_name VARCHAR(50), job_name VARCHAR(5...	0 row(s) affected	0.344 sec
88	23:48:08	INSERT INTO emp_details (emp_id, emp_name, job_name, manager_id, hire_date, salary, comission, dept_id) VALUES...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.079 sec

---

Screenshot 2 — Result Grid

```
462     -- Insert the records
463 •   INSERT INTO emp_details (emp_id, emp_name, job_name, manager_id, hire_date, salary, comission, dept_id)
464     VALUES
465         (68319, 'kayling', 'president', NULL, '1991-11-18', 6000.00, NULL, 1001),
466         (66928, 'blaze', 'manager', 68319, '1991-05-01', 2750.00, NULL, 3001),
467         (67832, 'clare', 'manager', 68319, '1991-06-09', 2550.00, NULL, 1001),
468         (65646, 'jonas', 'manager', 68319, '1991-04-02', 2957.00, NULL, 2001),
469         (67858, 'scarlet', 'analyst', 65646, '1997-04-19', 3100.00, NULL, 2001),
470         (9602, 'frank', 'analyst', 65646, '1991-12-03', 3100.00, NULL, 2001);
471
472     -- Select all records with salary between 2500 and 3500
473 •   SELECT *
474     FROM emp_details
475     WHERE salary BETWEEN 2500 AND 3500;
476
```

Result Grid

emp_id	emp_name	job_name	manager_id	hire_date	salary	comission	dept_id
9602	frank	analyst	65646	1991-12-03	3100.00	NULL	2001
65646	jonas	manager	68319	1991-04-02	2957.00	NULL	2001
66928	blaze	manager	68319	1991-05-01	2750.00	NULL	3001
67832	clare	manager	68319	1991-06-09	2550.00	NULL	1001
67858	scarlet	analyst	65646	1997-04-19	3100.00	NULL	2001
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

emp_details 36

Action Output

#	Time	Action	Message	Duration / Fetch
86	23:47:16	USE emp_detailsDB	0 row(s) affected	0.000 sec
87	23:47:16	CREATE TABLE emp_details (emp_id INT PRIMARY KEY, emp_name VARCHAR(50), job_name VARCHAR(5...	0 row(s) affected	0.344 sec
88	23:48:08	INSERT INTO emp_details (emp_id, emp_name, job_name, manager_id, hire_date, salary, comission, dept_id) VALUES...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.079 sec
89	23:48:39	SELECT * FROM emp_details WHERE salary BETWEEN 2500 AND 3500 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Screenshot 1

```sql
469        (67858, 'scarlet', 'analyst', 65646, '1997-04-19', 3100.00, NULL, 2001),
470        (9602, 'frank', 'analyst', 65646, '1991-12-03', 3100.00, NULL, 2001);
471
472    -- Select all records with salary between 2500 and 3500
473  ● SELECT *
474    FROM emp_details
475    WHERE salary BETWEEN 2500 AND 3500;
476
477    -- Select all records with salary starting from digit 2 (use LIKE operator)
478  ● SELECT *
479    FROM emp_details
480    WHERE salary LIKE '2%';
481
482    -- Select all records with salary having digit 2 or 3 in between (use LIKE operator)
483  ● SELECT *
```

Result Grid:

emp_id	emp_name	job_name	manager_id	hire_date	salary	comission	dept_id
65646	jonas	manager	68319	1991-04-02	2957.00	NULL	2001
66928	blaze	manager	68319	1991-05-01	2750.00	NULL	3001
67832	clare	manager	68319	1991-06-09	2550.00	NULL	1001
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Action Output:

#	Time	Action	Message	Duration / Fetch
87	23:47:16	CREATE TABLE emp_details (emp_id INT PRIMARY KEY, emp_name VARCHAR(50), job_name VARCHAR(5...	0 row(s) affected	0.344 sec
88	23:48:08	INSERT INTO emp_details (emp_id, emp_name, job_name, manager_id, hire_date, salary, comission, dept_id) VALUES...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.079 sec
89	23:48:39	SELECT * FROM emp_details WHERE salary BETWEEN 2500 AND 3500 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
90	23:48:55	SELECT * FROM emp_details WHERE salary LIKE '2%' LIMIT 0, 1000	3 row(s) returned	0.062 sec / 0.000 sec

Screenshot 2

```sql
472    -- Select all records with salary between 2500 and 3500
473  ● SELECT *
474    FROM emp_details
475    WHERE salary BETWEEN 2500 AND 3500;
476
477    -- Select all records with salary starting from digit 2 (use LIKE operator)
478  ● SELECT *
479    FROM emp_details
480    WHERE salary LIKE '2%';
481
482    -- Select all records with salary having digit 2 or 3 in between (use LIKE operator)
483  ● SELECT *
484    FROM emp_details
485    WHERE salary LIKE '%2%' OR salary LIKE '%3%';
486
```

Result Grid:

emp_id	emp_name	job_name	manager_id	hire_date	salary	comission	dept_id
9602	frank	analyst	65646	1991-12-03	3100.00	NULL	2001
65646	jonas	manager	68319	1991-04-02	2957.00	NULL	2001
66928	blaze	manager	68319	1991-05-01	2750.00	NULL	3001
67832	clare	manager	68319	1991-06-09	2550.00	NULL	1001
67858	scarlet	analyst	65646	1997-04-19	3100.00	NULL	2001
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Action Output:

#	Time	Action	Message	Duration / Fetch
88	23:48:08	INSERT INTO emp_details (emp_id, emp_name, job_name, manager_id, hire_date, salary, comission, dept_id) VALUES...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.079 sec
89	23:48:39	SELECT * FROM emp_details WHERE salary BETWEEN 2500 AND 3500 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
90	23:48:55	SELECT * FROM emp_details WHERE salary LIKE '2%' LIMIT 0, 1000	3 row(s) returned	0.062 sec / 0.000 sec
91	23:49:28	SELECT * FROM emp_details WHERE salary LIKE '%2%' OR salary LIKE '%3%' LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Sql2* | employees

```
477    -- Select all records with salary starting from digit 2 (use LIKE operator)
478 ●  SELECT *
479    FROM emp_details
480    WHERE salary LIKE '2%';
481
482    -- Select all records with salary having digit 2 or 3 in between (use LIKE operator)
483 ●  SELECT *
484    FROM emp_details
485    WHERE salary LIKE '%2%' OR salary LIKE '%3%';
486
487    -- Select all records having 0 in salary at the last position (use LIKE operator)
488 ●  SELECT *
489    FROM emp_details
490    WHERE salary LIKE '%0';
491
```

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

emp_id	emp_name	job_name	manager_id	hire_date	salary	comission	dept_id
9602	frank	analyst	65646	1991-12-03	3100.00	NULL	2001
65646	jonas	manager	68319	1991-04-02	2957.00	NULL	2001
66928	blaze	manager	68319	1991-05-01	2750.00	NULL	3001
67832	clare	manager	68319	1991-06-09	2550.00	NULL	1001
67858	scarlet	analyst	65646	1997-04-19	3100.00	NULL	2001
68319	kayling	president	NULL	1991-11-18	6000.00	NULL	1001

emp_details 39 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
●	89	23:48:39	SELECT * FROM emp_details WHERE salary BETWEEN 2500 AND 3500 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
●	90	23:48:55	SELECT * FROM emp_details WHERE salary LIKE '2%' LIMIT 0, 1000	3 row(s) returned	0.062 sec / 0.000 sec
●	91	23:49:28	SELECT * FROM emp_details WHERE salary LIKE '%2%' OR salary LIKE '%3%' LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
●	92	23:49:46	SELECT * FROM emp_details WHERE salary LIKE '%0' LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

SQLAdditions

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

Context Help Snippets