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COLLEGE: **Netaji Subhash Engineering College**

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Solution

```sql
CREATE DATABASE EmployeEsDB;

USE EmployeEsDB;

-- Create the Employee table

Create Table Employee (

    Employee_id INT PRIMARY KEY,

    Employee_name VARCHAR(50),

    Employee_salary DECIMAL(10, 2)

);


-- Insert the records

Insert Into Employee (Employee_id, Employee_name, Employee_salary)

VALUES

    (101, 'Akshay', 25000),

    (102, 'Amar', 30000),

    (103, 'Sheetal', 28000),

    (104, 'Rohan', 20000),

    (105, 'Karan', 25000),

    (106, 'Suresh', 25000),

    (107, 'Ravi', 28000);


-- Update salary for Sheetal

Update Employee

Set Employee_salary = 30000

Where Employee_name = 'Sheetal' And Employee_id = 103;


-- View all records after the update

Select * From Employee;


-- Select employees with salary greater than or equal to 25,000

Select *
```

From Employee

Where Employee_salary >= 25000;

-- Print all records in ascending order of salary

Select *

From Employee

Order by Employee_salary Asc;

-- Print all records in descending order of salary

Select *

From Employee

Order by Employee_salary Desc;

Screenshot 1 — Navigator / SQL editor

Navigator

SCHEMAS

Filter objects

- sakila
- sample
  - Tables
  - Views
  - Stored Proc
  - Functions
- studentdb
- studentscored
- sys
- testdb
- world

```sql
386        Employee_salary DECIMAL(10, 2)
387    );
388
389    -- Insert the records
390    Insert Into Employee (Employee_id, Employee_name, Employee_salary)
391    VALUES
392        (101, 'Akshay', 25000),
393        (102, 'Amar', 30000),
394        (103, 'Sheetal', 28000),
395        (104, 'Rohan', 20000),
396        (105, 'Karan', 25000),
397        (106, 'Suresh', 25000),
398        (107, 'Ravi', 28000);
399
400    -- Update salary for Sheetal
```

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

Employee_id	Employee_name	Employee_salary
101	Akshay	25000.00
102	Amar	30000.00
103	Sheetal	30000.00
104	Rohan	20000.00
105	Karan	25000.00
106	Suresh	25000.00

Employee 31

Administratic
Information

No object
selected

Object Info

Output

Action Output

#	Time	Action	Message	Duration / Fetch
74	23:10:44	CREATE DATABASE EmployeEsDB	1 row(s) affected	0.110 sec
75	23:10:44	USE EmployeEsDB	0 row(s) affected	0.000 sec
76	23:10:44	Create Table Employee (Employee_id INT PRIMARY KEY, Employee_name VARCHAR(50), Employee_salary D...	0 row(s) affected	0.688 sec
77	23:10:45	Insert Into Employee (Employee_id, Employee_name, Employee_salary) VALUES (101, 'Akshay', 25000), (102, 'Am...	7 row(s) affected Records: 7 Duplicates: 0 Warnings: 0	0.062 sec
78	23:10:45	Update Employee Set Employee_salary = 30000 Where Employee_name = 'Sheetal'	Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses a KEY c...	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

Screenshot 2 — Navigator / SQL editor

```sql
398        (107, 'Ravi', 28000);
399
400    -- Update salary for Sheetal
401    Update Employee
402    Set Employee_salary = 30000
403    Where Employee_name = 'Sheetal' And Employee_id = 103;
404
405    -- View all records after the update
406    Select * From Employee;
407
408    -- Select employees with salary greater than or equal to 25,000
409    Select *
410    From Employee
411    Where Employee_salary >= 25000;
412
```

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

Employee_id	Employee_name	Employee_salary
101	Akshay	25000.00
102	Amar	30000.00
103	Sheetal	30000.00
104	Rohan	20000.00
105	Karan	25000.00
106	Suresh	25000.00

Employee 31

Output

Action Output

#	Time	Action	Message	Duration / Fetch
77	23:10:45	Insert Into Employee (Employee_id, Employee_name, Employee_salary) VALUES (101, 'Akshay', 25000), (102, 'Am...	7 row(s) affected Records: 7 Duplicates: 0 Warnings: 0	0.062 sec
78	23:10:45	Update Employee Set Employee_salary = 30000 Where Employee_name = 'Sheetal'	Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses a KEY c...	0.000 sec
79	23:13:26	Update Employee Set Employee_salary = 30000 Where Employee_name = 'Sheetal' And Employee_id = 103	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.281 sec
80	23:13:26	Select * From Employee LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

Sql2* × employees

Limit to 1000 rows

```
407
408    -- Select employees with salary greater than or equal to 25,000
409 •  Select *
410    From Employee
411    Where Employee_salary >= 25000;
412
413    -- Print all records in ascending order of salary
414 •  Select *
415    From Employee
416    Order by Employee_salary Asc;
417
418    -- Print all records in descending order of salary
419 •  Select *
420    From Employee
421    Order by Employee salary Desc;
```

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

Employee_id	Employee_name	Employee_salary
101	Akshay	25000.00
102	Amar	30000.00
103	Sheetal	30000.00
105	Karan	25000.00
106	Suresh	25000.00
107	Ravi	28000.00

Employee 32 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
78	23:10:45	Update Employee Set Employee_salary = 30000 Where Employee_name = 'Sheetal'	Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses a KEY c...	0.000 sec
79	23:13:26	Update Employee Set Employee_salary = 30000 Where Employee_name = 'Sheetal' And Employee_id = 103	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.281 sec
80	23:13:26	Select * From Employee LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
81	23:15:08	Select * From Employee Where Employee_salary >= 25000 LIMIT 0, 1000	6 row(s) returned	0.031 sec / 0.000 sec

---

Sql2* × employees

Limit to 1000 rows

```
411    Where Employee_salary >= 25000;
412
413    -- Print all records in ascending order of salary
414 •  Select *
415    From Employee
416    Order by Employee_salary Asc;
417
418    -- Print all records in descending order of salary
419 •  Select *
420    From Employee
421    Order by Employee_salary Desc;
422
423
424
425
```

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

Employee_id	Employee_name	Employee_salary
104	Rohan	20000.00
101	Akshay	25000.00
105	Karan	25000.00
106	Suresh	25000.00
107	Ravi	28000.00
102	Amar	30000.00

Employee 33 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
79	23:13:26	Update Employee Set Employee_salary = 30000 Where Employee_name = 'Sheetal' And Employee_id = 103	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.281 sec
80	23:13:26	Select * From Employee LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
81	23:15:08	Select * From Employee Where Employee_salary >= 25000 LIMIT 0, 1000	6 row(s) returned	0.031 sec / 0.000 sec
82	23:15:40	Select * From Employee Order by Employee_salary Asc LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench screenshot showing SQL editor with the following code:

```
411     Where Employee_salary >= 25000;
412
413     -- Print all records in ascending order of salary
414 •   Select *
415     From Employee
416     Order by Employee_salary Asc;
417
418     -- Print all records in descending order of salary
419 •   Select *
420     From Employee
421     Order by Employee_salary Desc;
422
423
424
425
```

Result Grid:

Employee_id	Employee_name	Employee_salary
105	Karan	25000.00
106	Suresh	25000.00
107	Ravi	28000.00
102	Amar	30000.00
103	Sheetal	30000.00
NULL	NULL	NULL

Action Output:

#	Time	Action	Message	Duration / Fetch
81	23:15:08	Select * From Employee Where Employee_salary >= 25000 LIMIT 0, 1000	6 row(s) returned	0.031 sec / 0.000 sec
82	23:15:40	Select * From Employee Order by Employee_salary Asc LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
83	23:15:53	Select * From Employee Order by Employee_salary Desc LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
84	23:16:27	Select * From Employee Order by Employee_salary Asc LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

MySQL Workbench screenshot showing SQL editor with the following code:

```
411     Where Employee_salary >= 25000;
412
413     -- Print all records in ascending order of salary
414 •   Select *
415     From Employee
416     Order by Employee_salary Asc;
417
418     -- Print all records in descending order of salary
419 •   Select *
420     From Employee
421     Order by Employee_salary Desc;
422
423
424
425
```

Result Grid:

Employee_id	Employee_name	Employee_salary
102	Amar	30000.00
103	Sheetal	30000.00
107	Ravi	28000.00
101	Akshay	25000.00
105	Karan	25000.00
106	Suresh	25000.00

Action Output:

#	Time	Action	Message	Duration / Fetch
80	23:13:26	Select * From Employee LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
81	23:15:08	Select * From Employee Where Employee_salary >= 25000 LIMIT 0, 1000	6 row(s) returned	0.031 sec / 0.000 sec
82	23:15:40	Select * From Employee Order by Employee_salary Asc LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
83	23:15:53	Select * From Employee Order by Employee_salary Desc LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

Navigator   Sql2* ×   employees

SCHEMAS   Limit to 1000 rows

Filter objects

```
411    Where Employee_salary >= 25000;
412
413    -- Print all records in ascending order of salary
414  • Select *
415    From Employee
416    Order by Employee_salary Asc;
417
418    -- Print all records in descending order of salary
419  • Select *
420    From Employee
421    Order by Employee_salary Desc;
422
423
424
425
```

▶ sakila
▼ sample
  ▶ Tables
    Views
    Stored Proc
    Functions
▶ studentdb
▶ studentscored
▶ sys
▶ testdb
▶ world

SQLAdditions

Jump to

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

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

Employee_id	Employee_name	Employee_salary
107	Ravi	28000.00
101	Akshay	25000.00
105	Karan	25000.00
106	Suresh	25000.00
104	Rohan	20000.00
NULL	NULL	NULL

Result
Grid

Form
Editor

Administratic
Information

No object
selected

Employee 34 ×

Apply   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
●	80	23:13:26	Select * From Employee LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
●	81	23:15:08	Select * From Employee Where Employee_salary >= 25000 LIMIT 0, 1000	6 row(s) returned	0.031 sec / 0.000 sec
●	82	23:15:40	Select * From Employee Order by Employee_salary Asc LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
●	83	23:15:53	Select * From Employee Order by Employee_salary Desc LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

Object Info