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COLLEGE: **Netaji Subhash Engineering College**

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```
CREATE DATABASE customerDB;

USE customerDB;

CREATE TABLE Customer (

    Customer_id INT PRIMARY KEY,

    Customer_name VARCHAR(50),

    Customer_age INT,

    Customer_City VARCHAR(50),

    Customer_order_amount DECIMAL(10, 2)

);

INSERT INTO Customer (Customer_id, Customer_name, Customer_age, Customer_City,
Customer_order_amount)

VALUES

    (101, 'amar', 23, 'bhopal', 25000),

    (102, 'rohan', 25, 'bhopal', 23000),

    (103, 'sohan', 23, 'up', 25000),

    (104, 'kiran', 28, 'up', 21000),

    (105, 'Raj', 28, 'ajmer', 22000),

    (106, 'Shiv', 28, 'ajmer', 29000);

SELECT *

FROM Customer

ORDER BY Customer_age ASC;

SELECT *

FROM Customer

ORDER BY Customer_age DESC;

SELECT *

FROM Customer

ORDER BY Customer_order_amount ASC;

SELECT *
```

FROM Customer

ORDER BY Customer_order_amount DESC;

SELECT

   Customer_City,

   COUNT(*) AS Total_Customers,

   AVG(Customer_order_amount) AS Avg_Order_Amount

FROM

   Customer

GROUP BY

   Customer_City;

SELECT

   Customer_age,

   COUNT(*) AS Total_Customers,

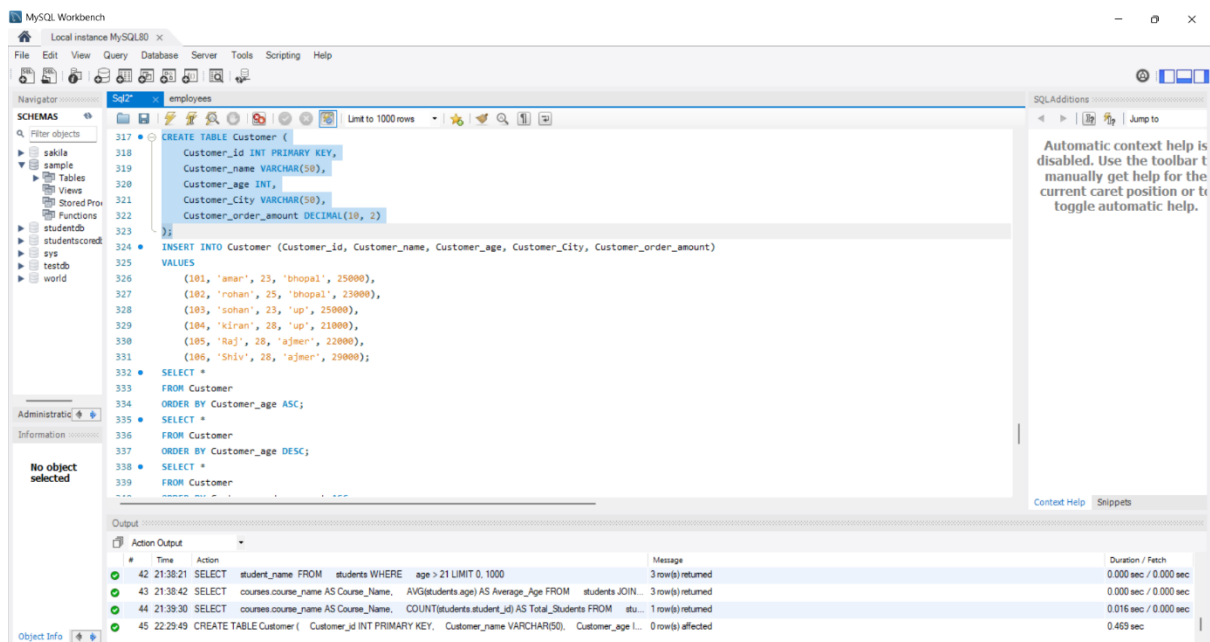   SUM(Customer_order_amount) AS Total_Order_Amount

FROM

   Customer

GROUP BY

   Customer_age;

Screenshot 1 — MySQL Workbench (Local instance MySQL80)

```sql
317  ● CREATE TABLE Customer (
318        Customer_id INT PRIMARY KEY,
319        Customer_name VARCHAR(50),
320        Customer_age INT,
321        Customer_City VARCHAR(50),
322        Customer_order_amount DECIMAL(10, 2)
323    );
324  ● INSERT INTO Customer (Customer_id, Customer_name, Customer_age, Customer_City, Customer_order_amount)
325    VALUES
326        (101, 'amar', 23, 'bhopal', 25000),
327        (102, 'rohan', 25, 'bhopal', 23000),
328        (103, 'sohan', 23, 'up', 25000),
329        (104, 'kiran', 28, 'up', 21000),
330        (105, 'Raj', 28, 'ajmer', 22000),
331        (106, 'Shiv', 28, 'ajmer', 29000);
332  ● SELECT *
333    FROM Customer
334    ORDER BY Customer_age ASC;
335  ● SELECT *
336    FROM Customer
337    ORDER BY Customer_age DESC;
338  ● SELECT *
339    FROM Customer
```

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

Action Output

#	Time	Action	Message	Duration / Fetch
43	21:38:42	SELECT courses.course_name AS Course_Name, AVG(students.age) AS Average_Age FROM students JOIN...	3 row(s) returned	0.000 sec / 0.000 sec
44	21:39:30	SELECT courses.course_name AS Course_Name, COUNT(students.student_id) AS Total_Students FROM stu...	1 row(s) returned	0.016 sec / 0.000 sec
45	22:29:49	CREATE TABLE Customer (Customer_id INT PRIMARY KEY, Customer_name VARCHAR(50), Customer_age I...	0 row(s) affected	0.469 sec
46	22:30:34	INSERT INTO Customer (Customer_id, Customer_name, Customer_age, Customer_City, Customer_order_amount) VALU...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.219 sec

---

Screenshot 2 — MySQL Workbench (Local instance MySQL80)

```sql
324  ● INSERT INTO Customer (Customer_id, Customer_name, Customer_age, Customer_City, Customer_order_amount)
325    VALUES
326        (101, 'amar', 23, 'bhopal', 25000),
327        (102, 'rohan', 25, 'bhopal', 23000),
328        (103, 'sohan', 23, 'up', 25000),
329        (104, 'kiran', 28, 'up', 21000),
330        (105, 'Raj', 28, 'ajmer', 22000),
331        (106, 'Shiv', 28, 'ajmer', 29000);
332  ● SELECT *
333    FROM Customer
334    ORDER BY Customer_age ASC;
335  ● SELECT *
336    FROM Customer
337    ORDER BY Customer_age DESC;
338  ● SELECT *
```

Result Grid

Customer_id	Customer_name	Customer_age	Customer_City	Customer_order_amount
104	kiran	28	up	21000.00
105	Raj	28	ajmer	22000.00
106	Shiv	28	ajmer	29000.00
102	rohan	25	bhopal	23000.00
101	amar	23	bhopal	25000.00
103	sohan	23	up	25000.00

Action Output

#	Time	Action	Message	Duration / Fetch
45	22:29:49	CREATE TABLE Customer (Customer_id INT PRIMARY KEY, Customer_name VARCHAR(50), Customer_age I...	0 row(s) affected	0.469 sec
46	22:30:34	INSERT INTO Customer (Customer_id, Customer_name, Customer_age, Customer_City, Customer_order_amount) VALU...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.219 sec
47	22:31:04	SELECT * FROM Customer ORDER BY Customer_age ASC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
48	22:31:05	SELECT * FROM Customer ORDER BY Customer_age DESC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

---

Screenshot 3 — MySQL Workbench (Local instance MySQL80)

```sql
338  ● SELECT *
339    FROM Customer
340    ORDER BY Customer_order_amount ASC;
341  ● SELECT *
342    FROM Customer
343    ORDER BY Customer_order_amount DESC;
344  ● SELECT
345        Customer_City,
346        COUNT(*) AS Total_Customers,
347        AVG(Customer_order_amount) AS Avg_Order_Amount
348    FROM
349        Customer
350    GROUP BY
351        Customer_City;
352  ● SELECT
```

Result Grid

Customer_id	Customer_name	Customer_age	Customer_City	Customer_order_amount
106	Shiv	28	ajmer	29000.00
101	amar	23	bhopal	25000.00
103	sohan	23	up	25000.00
102	rohan	25	bhopal	23000.00
105	Raj	28	ajmer	22000.00
104	kiran	28	up	21000.00

Action Output

#	Time	Action	Message	Duration / Fetch
47	22:31:04	SELECT * FROM Customer ORDER BY Customer_age ASC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
48	22:31:05	SELECT * FROM Customer ORDER BY Customer_age DESC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
49	22:31:43	SELECT * FROM Customer ORDER BY Customer_order_amount ASC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
50	22:31:43	SELECT * FROM Customer ORDER BY Customer_order_amount DESC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

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

Sql2* × employees

Limit to 1000 rows

```
338 •  SELECT *
339     FROM Customer
340     ORDER BY Customer_order_amount ASC;
341 •  SELECT *
342     FROM Customer
343     ORDER BY Customer_order_amount DESC;
344 •  SELECT
345         Customer_City,
346         COUNT(*) AS Total_Customers,
347         AVG(Customer_order_amount) AS Avg_Order_Amount
348     FROM
349         Customer
350     GROUP BY
351         Customer_City;
352 •  SELECT
```

SQL Additions

Jump to

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

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

Customer_City	Total_Customers	Avg_Order_Amount
bhopal	2	24000.000000
up	2	23000.000000
ajmer	2	25500.000000

Result 29 ×

Administratic
Information

No object selected

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
●	48	22:31:05	SELECT * FROM Customer ORDER BY Customer_age DESC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
●	49	22:31:43	SELECT * FROM Customer ORDER BY Customer_order_amount ASC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
●	50	22:31:43	SELECT * FROM Customer ORDER BY Customer_order_amount DESC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
●	51	22:32:12	SELECT Customer_City, COUNT(*) AS Total_Customers, AVG(Customer_order_amount) AS Avg_Order_Amou...	3 row(s) returned	0.032 sec / 0.000 sec

Object Info

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

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

Sql2* × employees

Limit to 1000 rows

```
347         AVG(Customer_order_amount) AS Avg_Order_Amount
348     FROM
349         Customer
350     GROUP BY
351         Customer_City;
352 •  SELECT
353         Customer_age,
354         COUNT(*) AS Total_Customers,
355         SUM(Customer_order_amount) AS Total_Order_Amount
356     FROM
357         Customer
358     GROUP BY
359         Customer_age;
360
361
```

SQL Additions

Jump to

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

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

Customer_age	Total_Customers	Total_Order_Amount
23	2	50000.00
25	1	23000.00
28	3	72000.00

Result 30 ×

Administratic
Information

No object selected

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
●	50	22:31:43	SELECT * FROM Customer ORDER BY Customer_order_amount DESC LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec
●	51	22:32:12	SELECT Customer_City, COUNT(*) AS Total_Customers, AVG(Customer_order_amount) AS Avg_Order_Amou...	3 row(s) returned	0.032 sec / 0.000 sec
✕	52	22:33:02	GROUP BY Customer_City	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server versi...	0.203 sec
●	53	22:36:21	SELECT Customer_age, COUNT(*) AS Total_Customers, SUM(Customer_order_amount) AS Total_Order_Amo...	3 row(s) returned	0.031 sec / 0.000 sec

Object Info