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COLLEGE: **Netaji**

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```

CREATE DATABASE hospitalDB;

USE hospitalDB;

CREATE TABLE HEALTH_CARE_WORKERS (
    EMPLOYEE_ID INT PRIMARY KEY,
    FIRST_NAME VARCHAR(50),
    LAST_NAME VARCHAR(50),
    EMAIL VARCHAR(100),
    PHONE_NUMBER VARCHAR(15),
    HIRE_DATE DATE,
    SALARY DECIMAL(10, 2),
    DESIGNATION VARCHAR(50)
);

CREATE TABLE PATIENT (
    PATIENT_ID INT PRIMARY KEY,
    NAME VARCHAR(100),
    PHONE_NUMBER VARCHAR(15)
);

INSERT INTO HEALTH_CARE_WORKERS (EMPLOYEE_ID, FIRST_NAME, LAST_NAME, EMAIL,
PHONE_NUMBER, HIRE_DATE, SALARY, DESIGNATION) VALUES

(1, 'John', 'Doe', 'john.doe@hospital.com', '1234567890', '2023-01-15', 30000, 'Doctor'),
(2, 'Jane', 'Smith', 'jane.smith@hospital.com', '9876543210', '2022-06-20', 28000, 'Nurse'),
(3, 'Emily', 'Clark', 'emily.clark@hospital.com', '1122334455', '2023-03-10', 26000, 'Technician'),
(4, 'Bob', 'Brown', 'bob.brown@hospital.com', '2233445566', '2021-12-01', 32000, 'Doctor'),
(5, 'Sophia', 'Garcia', 'sophia.garcia@hospital.com', '3344556677', '2020-11-18', 22000,
'Receptionist'),
(6, 'David', 'Martinez', 'david.martinez@hospital.com', '5566778899', '2023-07-25', 27000,
'Technician'),
(7, 'Alice', 'Johnson', 'alice.johnson@hospital.com', '6677889900', '2023-05-15', 24000, 'Nurse'),
(8, 'Michael', 'Davis', 'michael.davis@hospital.com', '7788990011', '2019-10-30', 35000, 'Doctor'),
(9, 'Chris', 'Lee', 'chris.lee@hospital.com', '8899001122', '2022-01-10', 23000, 'Receptionist'),
(10, 'Anna', 'Wilson', 'anna.wilson@hospital.com', '9900112233', '2021-03-14', 28000, 'Technician');

INSERT INTO PATIENT (PATIENT_ID, NAME, PHONE_NUMBER) VALUES

```

```
(1, 'Liam Johnson', '1231231234'),
(2, 'Olivia Brown', '4564564567'),
(3, 'Noah Wilson', '7897897890'),
(4, 'Emma Garcia', '2342342345'),
(5, 'Ava Martinez', '5675675678'),
(6, 'Sophia Davis', '8908908901'),
(7, 'Isabella Lee', '3453453456'),
(8, 'Mia Smith', '6786786789'),
(9, 'Charlotte Clark', '9019019012'),
(10, 'Amelia Johnson', '0120120123');

SELECT FIRST_NAME, LAST_NAME, DESIGNATION, SALARY
FROM HEALTH_CARE_WORKERS;

SELECT DESIGNATION, COUNT(*) AS Employee_Count
FROM HEALTH_CARE_WORKERS
GROUP BY DESIGNATION;

SELECT FIRST_NAME, LAST_NAME, SALARY
FROM HEALTH_CARE_WORKERS
WHERE SALARY > 25000;

SELECT FIRST_NAME, LAST_NAME
FROM HEALTH_CARE_WORKERS
WHERE EMPLOYEE_ID = 1; -- Replace `1` with the desired EMPLOYEE_ID

SHOW TABLES;

SELECT * FROM HEALTH_CARE_WORKERS;

SELECT * FROM PATIENT;
```

MySQL Workbench

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SQL

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Limit to 1000 rows

111 CREATE DATABASE hospitalDB;  
112 USE hospitalDB;  
113 CREATE TABLE HEALTH\_CARE\_WORKERS (  
114 EMPLOYEE\_ID INT PRIMARY KEY,  
115 FIRST\_NAME VARCHAR(50),  
116 LAST\_NAME VARCHAR(50),  
117 EMAIL VARCHAR(100),  
118 PHONE\_NUMBER VARCHAR(15),  
119 HIRE\_DATE DATE,  
120 SALARY DECIMAL(10, 2),  
121 DESIGNATION VARCHAR(50)  
122 );  
123 CREATE TABLE PATIENT (

Result Grid

Filter Rows

Output

Action Output

# Time Action Message Duration / Fetch

12 17:49:13 CREATE DATABASE hospitalDB 1 row(s) affected 0.125 sec

13 17:49:13 USE hospitalDB 0 row(s) affected 0.000 sec

14 17:49:13 CREATE TABLE HEALTH\_CARE\_WORKERS ( EMPLOYEE\_ID INT PRIMARY KEY, FIRST\_NAME VARCHAR(50), LAST\_NAME VARCHAR(50), EMAIL VARCHAR(100), PHONE\_NUMBER VARCHAR(15), HIRE\_DATE DATE, SALARY DECIMAL(10, 2), DESIGNATION VARCHAR(50)) 0 row(s) affected 0.641 sec

15 17:49:13 CREATE TABLE PATIENT ( PATIENT\_ID INT PRIMARY KEY, NAME VARCHAR(100), PHONE\_NUMBER VARCHAR(15)) 0 row(s) affected 0.156 sec

16 17:49:13 INSERT INTO HEALTH\_CARE\_WORKERS (EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, EMAIL, PHONE\_NUMBER, HIRE\_DATE, SALARY, DESIGNATION) VALUES (1, 'Liam Johnson', '1231231234', 'Q. Ollivander', '1231231234', '2023-01-15', 30000, 'Doctor') 10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0 0.016 sec

17 17:49:13 INSERT INTO PATIENT (PATIENT\_ID, NAME, PHONE\_NUMBER) VALUES (1, 'Liam Johnson', '1231231234') 10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0 0.031 sec

18 17:49:14 SELECT \* FROM HEALTH\_CARE\_WORKERS; 10 row(s) returned 0.000 sec / 0.000 sec

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SQL

employees

Limit to 1000 rows

123 CREATE TABLE PATIENT (  
124 PATIENT\_ID INT PRIMARY KEY,  
125 NAME VARCHAR(100),  
126 PHONE\_NUMBER VARCHAR(15)  
127 );  
128 INSERT INTO HEALTH\_CARE\_WORKERS (EMPLOYEE\_ID, FIRST\_NAME, LAST\_NAME, EMAIL, PHONE\_NUMBER, HIRE\_DATE, SALARY, DESIGNATION) VALUES  
129 (1, 'John', 'Doe', 'john.doe@hospital.com', '1234567890', '2023-01-15', 30000, 'Doctor'),  
130 (2, 'Jane', 'Smith', 'jane.smith@hospital.com', '0876543210', '2022-06-20', 20000, 'Nurse'),  
131 (3, 'Emily', 'Clark', 'emily.clark@hospital.com', '1122334455', '2023-03-10', 20000, 'Technician'),  
132 (4, 'Bob', 'Brown', 'bob.brown@hospital.com', '2233445566', '2021-12-01', 32000, 'Doctor'),  
133 (5, 'Sophia', 'Garcia', 'sophia.garcia@hospital.com', '3344556677', '2020-11-18', 22000, 'Receptionist'),  
134 (6, 'David', 'Martinez', 'david.martinez@hospital.com', '5566778899', '2023-07-25', 27000, 'Technician'),  
135 (7, 'Alice', 'Johnson', 'alice.johnson@hospital.com', '6677889900', '2023-05-15', 24000, 'Nurse').

Result Grid

Filter Rows

Output

Action Output

# Time Action Message Duration / Fetch

17 17:49:13 INSERT INTO PATIENT (PATIENT\_ID, NAME, PHONE\_NUMBER) VALUES (1, 'Liam Johnson', '1231231234') 10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0 0.031 sec

18 17:49:14 SELECT FIRST\_NAME, LAST\_NAME, DESIGNATION, SALARY FROM HEALTH\_CARE\_WORKERS LIMIT 0.1000 10 row(s) returned 0.000 sec / 0.000 sec

19 17:49:14 SELECT DESIGNATION, COUNT(\*) AS Employee\_Count FROM HEALTH\_CARE\_WORKERS GROUP BY DESIGNATION 4 row(s) returned 0.000 sec / 0.000 sec

20 17:49:14 SELECT FIRST\_NAME, LAST\_NAME, SALARY FROM HEALTH\_CARE\_WORKERS WHERE SALARY > 25000 LIMIT 1 7 row(s) returned 0.031 sec / 0.000 sec

21 17:49:14 SELECT FIRST\_NAME, LAST\_NAME FROM HEALTH\_CARE\_WORKERS WHERE EMPLOYEE\_ID = 1 LIMIT 0.1000 1 row(s) returned 0.000 sec / 0.000 sec

22 17:49:14 SHOW TABLES 2 row(s) returned 0.000 sec / 0.000 sec

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Limit to 1000 rows

135 (7, 'Alice', 'Johnson', 'alice.johnson@hospital.com', '6677889900', '2023-05-15', 24000, 'Nurse'),  
136 (8, 'Michael', 'Davis', 'michael.davis@hospital.com', '7788990011', '2019-10-30', 35000, 'Doctor'),  
137 (9, 'Chris', 'Lee', 'chris.lee@hospital.com', '8899001122', '2022-01-10', 23000, 'Receptionist'),  
138 (10, 'Anna', 'Wilson', 'anna.wilson@hospital.com', '9900112233', '2023-03-14', 28000, 'Technician'),  
139 INSERT INTO PATIENT (PATIENT\_ID, NAME, PHONE\_NUMBER) VALUES  
140 (1, 'Liam Johnson', '1231231234'),  
141 (2, 'Olivia Brown', '4564564567'),  
142 (3, 'Noah Wilson', '7897897890'),  
143 (4, 'Emma Garcia', '2342342345'),  
144 (5, 'Ava Martinez', '5675675678'),  
145 (6, 'Sophia Davis', '8900890081'),  
146 (7, 'Isabella Lee', '3453453456'),  
147 (8, 'Mia Smith', '6786786789').

Result Grid

Filter Rows

Output

Action Output

# Time Action Message Duration / Fetch

19 17:49:14 SELECT DESIGNATION, COUNT(\*) AS Employee\_Count FROM HEALTH\_CARE\_WORKERS GROUP BY DESIGNATION 4 row(s) returned 0.000 sec / 0.000 sec

20 17:49:14 SELECT FIRST\_NAME, LAST\_NAME, SALARY FROM HEALTH\_CARE\_WORKERS WHERE SALARY > 25000 LIMIT 1 7 row(s) returned 0.031 sec / 0.000 sec

21 17:49:14 SELECT FIRST\_NAME, LAST\_NAME FROM HEALTH\_CARE\_WORKERS WHERE EMPLOYEE\_ID = 1 LIMIT 0.1000 1 row(s) returned 0.000 sec / 0.000 sec

22 17:49:14 SHOW TABLES 2 row(s) returned 0.000 sec / 0.000 sec

23 17:49:14 SELECT \* FROM HEALTH\_CARE\_WORKERS LIMIT 0.1000 10 row(s) returned 0.000 sec / 0.000 sec

24 17:49:14 SELECT \* FROM PATIENT LIMIT 0.1000 10 row(s) returned 0.000 sec / 0.000 sec

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Limit to 1000 rows

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145 (6, 'Sophia Davis', '8968988981'),  
146 (7, 'Isabella Lee', '3453453456'),  
147 (8, 'Mia Smith', '6786786789'),  
148 (9, 'Charlotte Clark', '9019019012'),  
149 (10, 'Amelia Johnson', '0120120123'),  
150 SELECT FIRST\_NAME, LAST\_NAME, DESIGNATION, SALARY  
151 FROM HEALTH\_CARE\_WORKERS;  
152 SELECT DESIGNATION, COUNT(\*) AS Employee\_Count  
153 FROM HEALTH\_CARE\_WORKERS  
154 GROUP BY DESIGNATION;  
155 SELECT FIRST\_NAME, LAST\_NAME, SALARY  
156 FROM HEALTH\_CARE\_WORKERS  
157 WHERE SALARY > 25000;

Result Grid

PATIENT\_ID NAME PHONE\_NUMBER

1 Liam Johnson 1231231234  
2 Olivia Brown 4564564567  
3 Noah Wilson 7897897890  
4 Emma Garcia 2342342345  
5 Ava Martinez 5675675678

HEALTH\_CARE\_WORKERS 6 Result 7 HEALTH\_CARE\_WORKERS 8 HEALTH\_CARE\_WORKERS 9 Result 10 HEALTH\_CARE\_WORKERS 11 PATIENT 12 x

Output

Action Output

# Time Action Message Duration / Fetch

19 17:49:14 SELECT DESIGNATION, COUNT(\*) AS Employee\_Count FROM HEALTH\_CARE\_WORKERS GROUP BY DESIGNA... 4 row(s) returned 0.000 sec / 0.000 sec  
20 17:49:14 SELECT FIRST\_NAME, LAST\_NAME, SALARY FROM HEALTH\_CARE\_WORKERS WHERE SALARY > 25000 LIMIT... 7 row(s) returned 0.031 sec / 0.000 sec  
21 17:49:14 SELECT FIRST\_NAME, LAST\_NAME FROM HEALTH\_CARE\_WORKERS WHERE EMPLOYEE\_ID = 1 LIMIT 0. 1000 1 row(s) returned 0.000 sec / 0.000 sec  
22 17:49:14 SHOW TABLES 2 row(s) returned 0.000 sec / 0.000 sec  
23 17:49:14 SELECT \* FROM HEALTH\_CARE\_WORKERS LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec  
24 17:49:14 SELECT \* FROM PATIENT LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec

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Limit to 1000 rows

SQL

152 SELECT DESIGNATION, COUNT(\*) AS Employee\_Count  
153 FROM HEALTH\_CARE\_WORKERS  
154 GROUP BY DESIGNATION;  
155 SELECT FIRST\_NAME, LAST\_NAME, SALARY  
156 FROM HEALTH\_CARE\_WORKERS  
157 WHERE SALARY > 25000;  
158 SELECT FIRST\_NAME, LAST\_NAME  
159 FROM HEALTH\_CARE\_WORKERS  
160 WHERE EMPLOYEE\_ID = 1; -- Replace '1' with the desired EMPLOYEE\_ID  
161 SHOW TABLES;  
162 SELECT \* FROM HEALTH\_CARE\_WORKERS;  
163 SELECT \* FROM PATIENT;  
164

Result Grid

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME EMAIL PHONE\_NUMBER HIRE\_DATE SALARY DESIGNATION

1 John Doe john.doe@hospital.com 1234567890 2023-01-15 30000.00 Doctor  
2 Jane Smith jane.smith@hospital.com 9876543210 2022-06-20 28000.00 Nurse  
3 Emily Clark emily.clark@hospital.com 1122334455 2023-03-10 26000.00 Technician  
4 Bob Brown bob.brown@hospital.com 2233445566 2021-12-01 32000.00 Doctor  
5 Sophia Garcia sophia.garcia@hospital.com 3344556677 2020-11-18 22000.00 Receptionist

HEALTH\_CARE\_WORKERS 13 x

Output

Action Output

# Time Action Message Duration / Fetch

20 17:49:14 SELECT FIRST\_NAME, LAST\_NAME, SALARY FROM HEALTH\_CARE\_WORKERS WHERE SALARY > 25000 LIMIT... 7 row(s) returned 0.031 sec / 0.000 sec  
21 17:49:14 SELECT FIRST\_NAME, LAST\_NAME FROM HEALTH\_CARE\_WORKERS WHERE EMPLOYEE\_ID = 1 LIMIT 0. 1000 1 row(s) returned 0.000 sec / 0.000 sec  
22 17:49:14 SHOW TABLES 2 row(s) returned 0.000 sec / 0.000 sec  
23 17:49:14 SELECT \* FROM HEALTH\_CARE\_WORKERS LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec  
24 17:49:14 SELECT \* FROM PATIENT LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec  
25 17:51:01 SELECT \* FROM HEALTH\_CARE\_WORKERS LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec

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MySQL Workbench

Local instance MySQL80 x

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Limit to 1000 rows

SQL

152 SELECT DESIGNATION, COUNT(\*) AS Employee\_Count  
153 FROM HEALTH\_CARE\_WORKERS  
154 GROUP BY DESIGNATION;  
155 SELECT FIRST\_NAME, LAST\_NAME, SALARY  
156 FROM HEALTH\_CARE\_WORKERS  
157 WHERE SALARY > 25000;  
158 SELECT FIRST\_NAME, LAST\_NAME  
159 FROM HEALTH\_CARE\_WORKERS  
160 WHERE EMPLOYEE\_ID = 1; -- Replace '1' with the desired EMPLOYEE\_ID  
161 SHOW TABLES;  
162 SELECT \* FROM HEALTH\_CARE\_WORKERS;  
163 SELECT \* FROM PATIENT;  
164

Result Grid

PATIENT\_ID NAME PHONE\_NUMBER

1 Liam Johnson 1231231234  
2 Olivia Brown 4564564567  
3 Noah Wilson 7897897890  
4 Emma Garcia 2342342345  
5 Ava Martinez 5675675678

PATIENT 14 x

Output

Action Output

# Time Action Message Duration / Fetch

21 17:49:14 SELECT FIRST\_NAME, LAST\_NAME FROM HEALTH\_CARE\_WORKERS WHERE EMPLOYEE\_ID = 1 LIMIT 0. 1000 1 row(s) returned 0.000 sec / 0.000 sec  
22 17:49:14 SHOW TABLES 2 row(s) returned 0.000 sec / 0.000 sec  
23 17:49:14 SELECT \* FROM HEALTH\_CARE\_WORKERS LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec  
24 17:49:14 SELECT \* FROM PATIENT LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec  
25 17:51:01 SELECT \* FROM HEALTH\_CARE\_WORKERS LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec  
26 17:51:29 SELECT \* FROM PATIENT LIMIT 0. 1000 10 row(s) returned 0.000 sec / 0.000 sec

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