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| NAME | RITIK SHARMA |
| UID | 23BCS10238 |
| CLASS | 622-A |

DROP TABLE IF EXISTS Courses;

DROP TABLE IF EXISTS Departments;

CREATE TABLE Departments (

dept\_id INT PRIMARY KEY,

dept\_name VARCHAR(50) UNIQUE NOT NULL

);

select \*from Departments;

CREATE TABLE Courses (

course\_id INT PRIMARY KEY,

course\_name VARCHAR(100) NOT NULL,

dept\_id INT NOT NULL,

FOREIGN KEY (dept\_id) REFERENCES Departments(dept\_id)

);

select \*from Courses;

INSERT INTO Departments (dept\_id, dept\_name) VALUES

(1, 'Computer Science'),

(2, 'Electrical'),

(3, 'Mechanical'),

(4, 'Civil'),

(5, 'Electronics');

INSERT INTO Courses (course\_id, course\_name, dept\_id) VALUES

(101, 'DBMS', 1),

(102, 'Operating Systems', 1),

(103, 'Power Systems', 2),

(104, 'Digital Circuits', 2),

(105, 'Thermodynamics', 3),

(106, 'Fluid Mechanics', 3),

(107, 'Structural Engineering', 4),

(108, 'Surveying', 4),

(109, 'Embedded Systems', 5),

(110, 'VLSI Design', 5);

SELECT dept\_name

FROM Departments

WHERE dept\_id IN (

SELECT dept\_id

FROM Courses

GROUP BY dept\_id

HAVING COUNT(course\_id) >= 2

);

GRANT SELECT ON db\_43sdmf2s3.Courses TO 'viewer\_user'@'localhost';

