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| **Name:** | **Aditi Tyagi** |
| **UID:** | **23BCS10641** |
| **Subject:** | **ADBMS** |
| **Section:** | **622-A** |

**Code:**

CREATE TABLE Departments (dept\_id INT PRIMARY KEY,dept\_name VARCHAR(50)

NOT NULL UNIQUE);

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));

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

(1, 'Computer Science'),

(2, 'Electrical'),

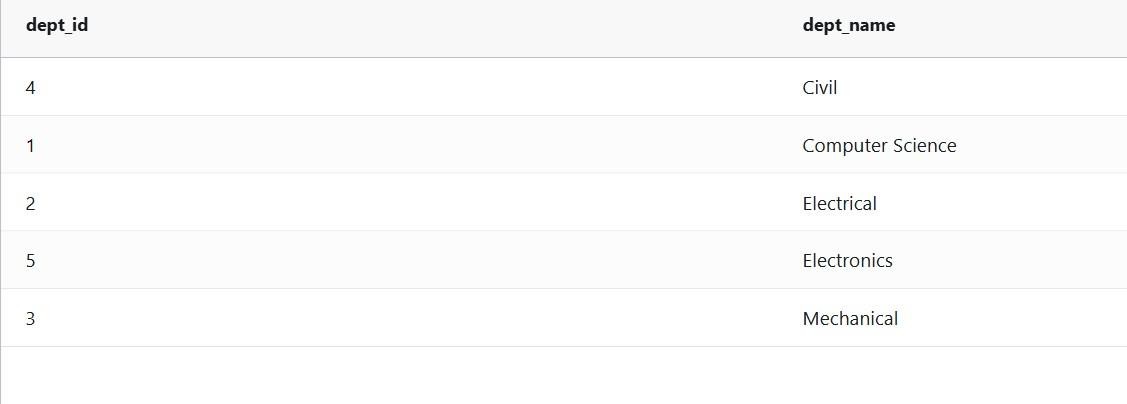
(3, 'Mechanical'),

(4, 'Civil'),

(5, 'Electronics');

Select \* from Departments;

(A) Department’s detail:



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),

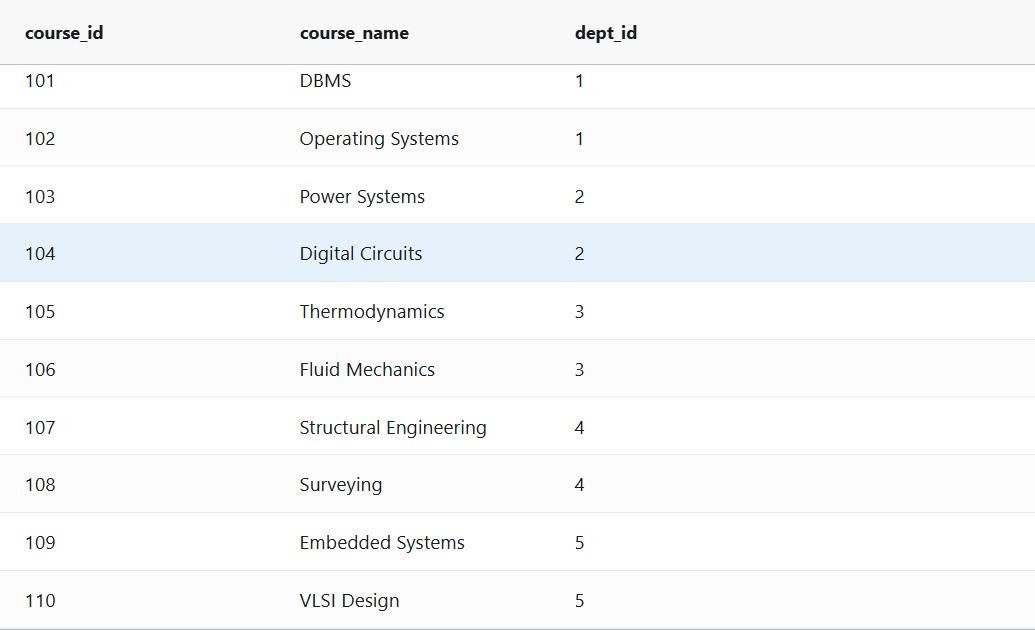
(108, 'Surveying', 4),

(109, 'Embedded Systems', 5),

(110, 'VLSI Design', 5);

Select \* from Courses;

1. Courses detail:



SELECT dept\_name

FROM Departments

WHERE dept\_id IN (

SELECT dept\_id

FROM Courses

GROUP BY dept\_id

HAVING COUNT(\*) >= 2

);

GRANT SELECT ON Courses TO viewer\_user;

1. Retrieve Departments Offering More Than Two Courses Using Subquery:

