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Branch: CSE	Section: 23 BCS_FS 622-A
Semester: 5	Date of Performance: 1/08/2025
Subject: ADMS-LAB	Subject Code: 23CSP-333

--CODE

```
CREATE TABLE department (  
    dept_id INT PRIMARY KEY,  
    dept_name VARCHAR(50) UNIQUE  
);  
desc department;  
CREATE TABLE course (  
    course_id INT PRIMARY KEY,  
    course_name VARCHAR(100) NOT NULL,  
    dept_id INT NOT NULL,  
    FOREIGN KEY (dept_id) REFERENCES department(dept_id)  
);  
desc Course;  
INSERT INTO department (dept_id, dept_name)  
VALUES(1, 'Computer Science');  
INSERT INTO department (dept_id, dept_name)  
VALUES(2, 'Electrical');  
INSERT INTO department (dept_id, dept_name)  
VALUES(3, 'Mechanical');  
INSERT INTO department (dept_id, dept_name)  
VALUES(4, 'Civil');  
INSERT INTO department (dept_id, dept_name)  
VALUES(5, 'Electronics');  
select *from department;  
INSERT INTO Course (course_id, course_name, dept_id) VALUES  
(101, 'DBMS', 1);  
INSERT INTO Course (course_id, course_name, dept_id) VALUES  
(102, 'Operating Systems', 1);  
INSERT INTO Course (course_id, course_name, dept_id) VALUES  
(103, 'Power Systems', 2);  
INSERT INTO Course (course_id, course_name, dept_id) VALUES
```

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(104, 'Digital Circuits', 2);
INSERT INTO Course (course_id, course_name, dept_id) VALUES
(105, 'Thermodynamics', 3);
INSERT INTO Course (course_id, course_name, dept_id) VALUES
(106, 'Fluid Mechanics', 3);
INSERT INTO Course (course_id, course_name, dept_id) VALUES
(107, 'Structural Engineering', 4);
INSERT INTO Course (course_id, course_name, dept_id) VALUES
(108, 'Surveying', 4);
INSERT INTO Course (course_id, course_name, dept_id) VALUES
(109, 'Embedded Systems', 5);
INSERT INTO Course (course_id, course_name, dept_id) VALUES
(110, 'VLSI Design', 5);
select*from course;
SELECT dept_name
FROM department
WHERE dept_id IN (
    SELECT dept_id
    FROM course
    GROUP BY dept_id
    HAVING COUNT(course_id) >= 2
);
```

OUTPUT

dept_id	dept_name
4	Civil
1	Computer Science
2	Electrical
5	Electronics
3	Mechanical



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course_id	course_name	dept_id
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

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dept_name

Civil

Computer Science

Electrical

Electronics

Mechanical