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<b>Branch:</b> CSE	<b>Section:</b> 23 BCS_FS 622-A
<b>Semester:</b> 5	<b>Date of Performance:</b> 1/08/2025
<b>Subject:</b> ADMS-LAB	<b>Subject Code:</b> 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 (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

47 SELECT dept\_id

dept\_name

Civil

Computer Science

Electrical

Electronics

Mechanical