Name : Prateek Singh	Branch : BE CSE
UID: 23BCS13286	Sem.: 5 <sup>th</sup>
Subject : ADBMS	Subject code: 23CSP-333

```
CREATE TABLE Courses (
  course_id INT PRIMARY KEY,
  course_name VARCHAR(100) NOT NULL,
  dept_id INT,
  FOREIGN KEY (dept_id) REFERENCES Departments(dept_id)
);
-- -----
-- PART B: INSERT SAMPLE DATA
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);
-- ------
-- PART C: SUBQUERY – Departments with > 2 courses
```

## OUTPUT:

fieldCount	affectedRows	insertId	info	serverStatus	warningStatus	changedRows
0	0	0		10	0	0
0	0	0		10	0	0
0	0	0		10	0	0
0	0	0		10	0	0
0	5	0	Records: 5 Dup	10	0	0
0	10	0	Records: 10 Du	10	0	0

id			
dummy			

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

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