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| UID | 23BCS10082 |
| SECTION | 622-A |
| SUBJECT | ADBMS |

Ouestion : Querying Departments Based on Course Count using SQL

Code:

DROP TABLE IF EXISTS courses;

DROP TABLE IF EXISTS fb;

CREATE TABLE fb (

dept\_id INT PRIMARY KEY,

dept\_name VARCHAR(50) UNIQUE NOT NULL

);

CREATE TABLE courses(

course\_id INT PRIMARY KEY,

course\_name VARCHAR(100) NOT NULL,

dept\_id INT,

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

);

INSERT INTO fb(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 System', 1),

(111, 'Machine Learning', 1),

(103, 'Power System', 1),

(104, 'Digital Circuits', 2),

(105, 'Thermodynamics', 3),

(106, 'Fluid Mechanics', 3),

(107, 'Structural Engineering', 4),

(108, 'Surveying', 4),

(109, 'Embedded System', 5),

(110, 'VLSI Design', 5);

SELECT dept\_name

FROM fb

WHERE dept\_id IN (

SELECT dept\_id

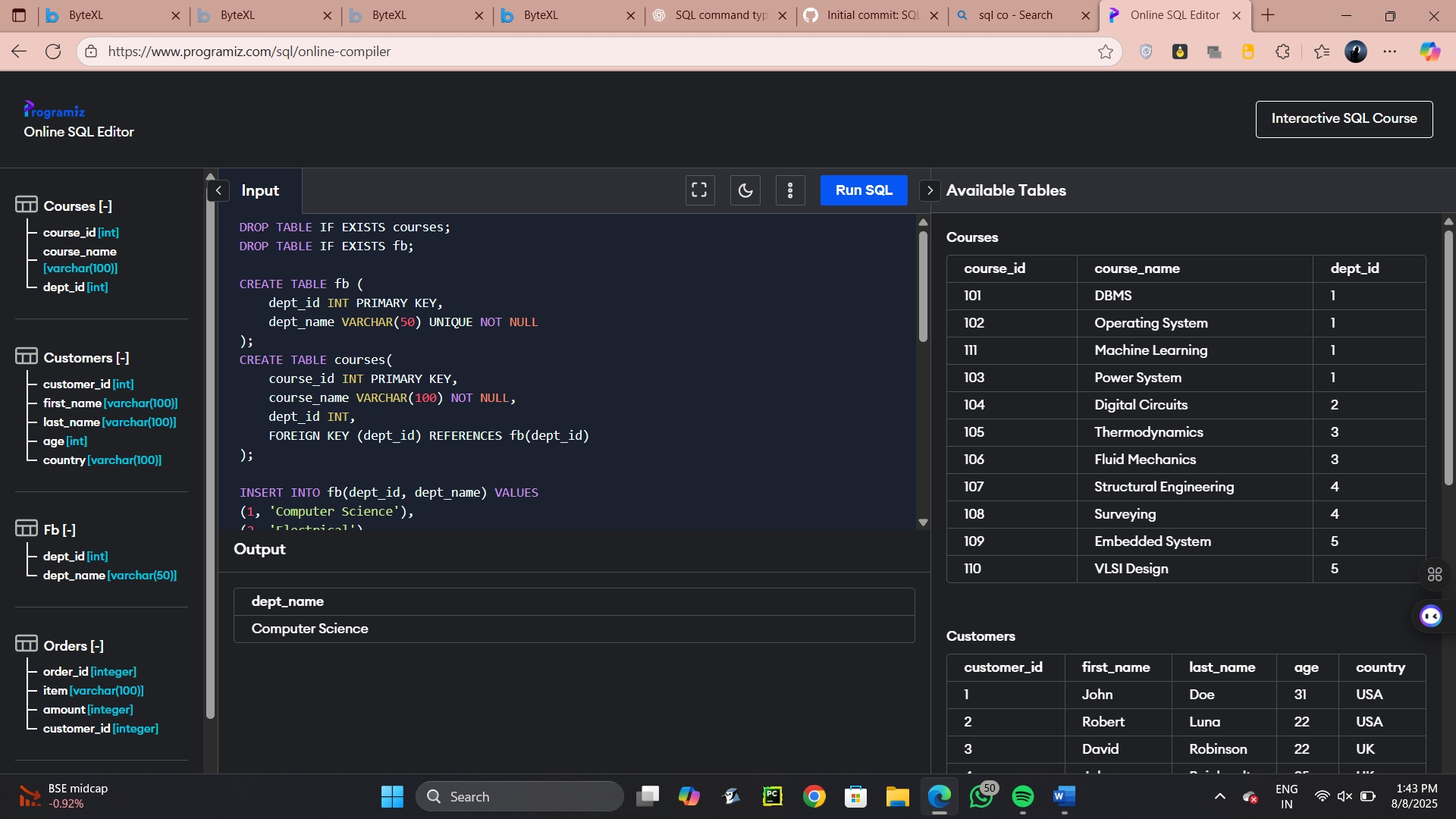
FROM courses

GROUP BY dept\_id

HAVING COUNT(course\_id) > 2

);

OUTPUT:



Available TABLE:

TABLE 1:

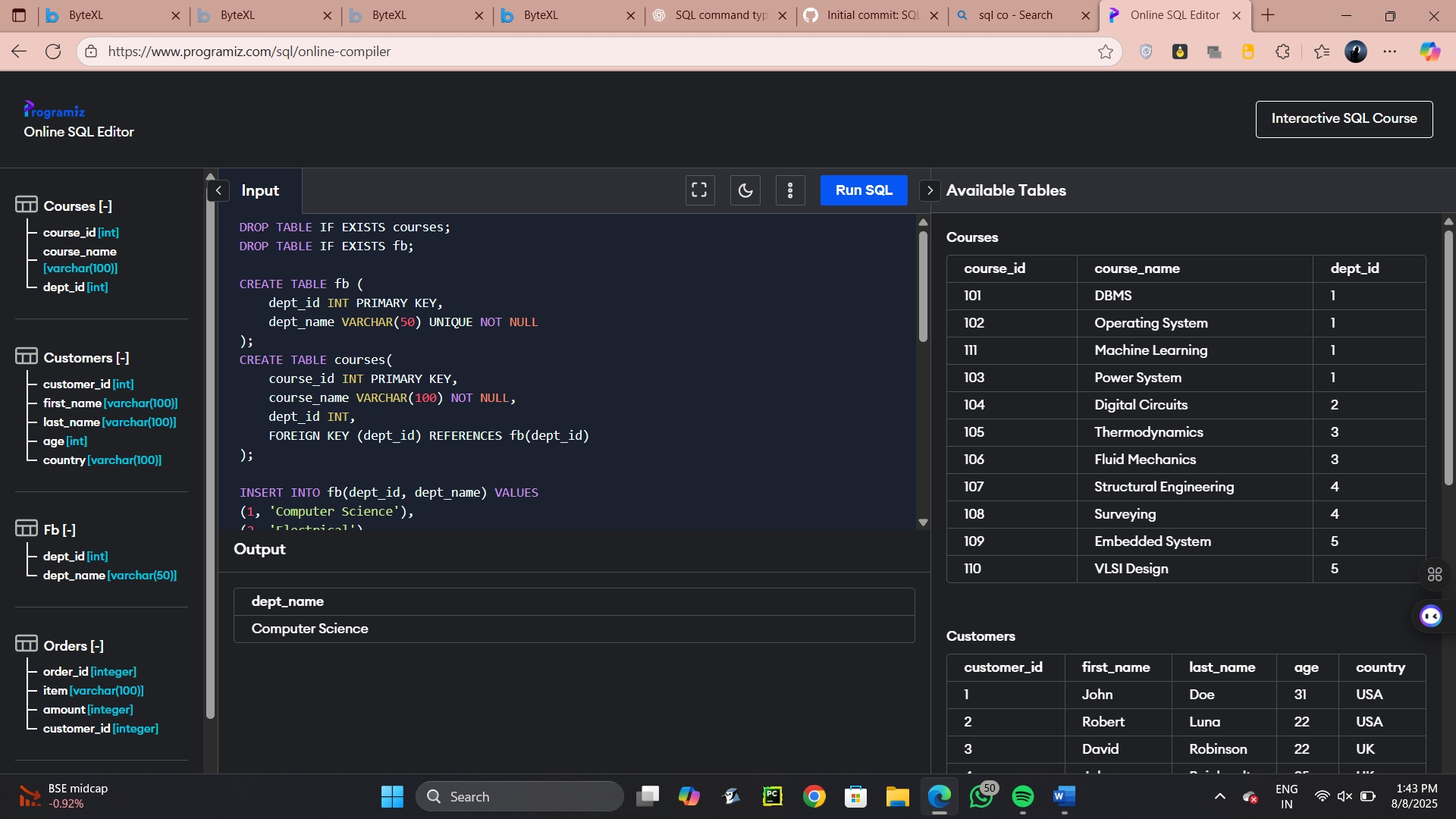


TABLE 2:

