

```
CREATE TABLE Students(student_id INT,name VARCHAR(50),department VARCHAR(50));  
CREATE TABLE Courses(course_id INT,course_name VARCHAR(100),credits INT)  
CREATE TABLE Enrollments(student_id INT,course_id INT,grade CHAR(1))
```

```
SELECT s.name  
FROM Students s  
JOIN Enrollments e ON s.student_id = e.student_id  
GROUP BY s.student_id, s.name  
HAVING COUNT(e.course_id) > 2;
```

```
SELECT s.department,  
       AVG(  
         CASE e.grade  
           WHEN 'A' THEN 4  
           WHEN 'B' THEN 3  
           WHEN 'C' THEN 2  
           WHEN 'D' THEN 1  
           WHEN 'F' THEN 0  
         END  
       ) AS avg_grade  
FROM Students s  
JOIN Enrollments e ON s.student_id = e.student_id  
GROUP BY s.department;
```

```
SELECT course_name
FROM (
    SELECT c.course_name, COUNT(e.student_id) AS student_count,
           RANK() OVER (ORDER BY COUNT(e.student_id) DESC) AS rnk
    FROM Courses c
    JOIN Enrollments e ON c.course_id = e.course_id
    GROUP BY c.course_name
)
WHERE rnk = 1;
```

```
SELECT s.name
FROM Students s
JOIN Enrollments e ON s.student_id = e.student_id
GROUP BY s.student_id, s.name
HAVING COUNT(DISTINCT e.course_id) = (SELECT COUNT(*) FROM Courses);
```