```sql
1- SELECT
    CASE
        WHEN A + B <= C OR A + C <= B OR B + C <= A THEN 'Not A Triangle'
        WHEN A = B AND B = C THEN 'Equilateral'
        WHEN A = B OR B = C OR A = C THEN 'Isosceles'
        ELSE 'Scalene'
    END AS TriangleType
FROM TRIANGLES;

2- SELECT product_id, product_name, description
FROM products
WHERE PATINDEX('%[^0-9A-Z]SN[0-9][0-9][0-9][0-9]-[0-9][0-9][0-9][0-9][^0-9]%',
description + ' ') > 0
   OR PATINDEX('SN[0-9][0-9][0-9][0-9]-[0-9][0-9][0-9][0-9][^0-9]%', description +
' ') = 1
ORDER BY product_id;

3- WITH FirstLatestScores AS (
    SELECT
        student_id,
        subject,
        MIN(exam_date) AS first_date,
        MAX(exam_date) AS latest_date
    FROM Scores
    GROUP BY student_id, subject
),
ScoresWithFirstLatest AS (
    SELECT
        s.student_id,
        s.subject,
        MAX(CASE WHEN s.exam_date = fls.first_date THEN s.score END) AS
first_score,
        MAX(CASE WHEN s.exam_date = fls.latest_date THEN s.score END) AS
latest_score
    FROM Scores s
    JOIN FirstLatestScores fls
        ON s.student_id = fls.student_id AND s.subject = fls.subject
    GROUP BY s.student_id, s.subject
)
SELECT
    student_id,
    subject,
    first_score,
    latest_score
FROM ScoresWithFirstLatest
WHERE latest_score > first_score
ORDER BY student_id, subject;


4-
SELECT
    r.contest_id,
    ROUND(COUNT(DISTINCT r.user_id) * 100.0 / (SELECT COUNT(*) FROM Users), 2) AS
percentage
FROM Register r
GROUP BY r.contest_id
ORDER BY percentage DESC, contest_id ASC;
```