1. **[WHILE] Assign "Excellent" to students with marks > 85 in all courses in the grades table.**

2. **[REPEAT] For each course, count the number of enrolled students and log it into a new table course_summary.**

3. **[LOOP] Mark all students with at least 2 absences as "Irregular" in a new column in students.**

4. **[WHILE] Add bonus 5 marks to all students who are enrolled in more than 1 course.**

5. **[REPEAT] Clone the attendance data for next month by shifting all dates by 30 days.**

6. **[LOOP] Create a new table for each department called students_<department_name> containing their students.**

7. **[REPEAT] Insert 10 attendance records for each student for random dates in April 2025 with status 'Present'.**

8. **[WHILE] Drop all courses that have no students enrolled.**

9. **[LOOP] Convert all department names in courses to lowercase.**

10. **[WHILE] Count and insert into a log table how many students joined each year.**

11. **[LOOP] Create a table top_students_<course_id> containing students with marks > 80 for each course.**

12. **[REPEAT] Update all 'Pending' grades in the grades table with appropriate grade based on marks.**

13. **[WHILE] For each student, calculate their average marks and insert into a new table student_avg.**

14. **[LOOP] Delete all entries in attendance older than 30 days.**

15. **[REPEAT] For each student, insert into a table whether their attendance rate is above 75%.**

16. **[WHILE] Update grades to 'F' where students have failed in more than 1 course.**

17. **[LOOP] Rename all student names to initials + surname.**

18. **[REPEAT] Populate a student_rank table assigning rank based on total marks.**

19. **[WHILE] Create a log table recording students who improved marks compared to last month.**