**Cursor practice problems**

1. Use a **cursor** to fetch and display names of all students.
2. Use a cursor to iterate over all **courses in the Computer Science department** and display course names.
3. Declare a cursor to fetch all student IDs and names, one by one.
4. Use a cursor to list students who were admitted in **2022**.
5. Display each student's **total number of courses enrolled**, one row at a time.
6. Use a cursor to print **course names and departments** for all courses.
7. Display student names along with their **marks in each course** using a cursor.
8. Use a cursor to display **student name and total marks** obtained by each student.
9. Print all dates where **Aditi Sharma was present** using a cursor.
10. Use a cursor to display **student IDs and course names** for all enrollments.

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**Updating with cursor**

11. Using a cursor, assign **grades based on marks** (>=90=A, 70-89=B, 50-69=C, <50=F) and insert into the grades table.
12. Use a cursor to update all students' **grades for each course** based on their marks.
13. For each student, calculate their **average marks** using a cursor and print them.
14. Use a cursor to **find and update grades** only for Computer Science department students.
15. Write a cursor that inserts “Absent” into the attendance table for **missing attendance dates** (e.g., all dates from 2025-04-01 to 2025-04-04 for student_id = 2).
16. Use a cursor to print **students who failed any course** (marks < 50).
17. Write a cursor to calculate **percentage of attendance** for Aditi Sharma from April 1 to April 4.
18. Create a cursor that reads from the marks table and classifies students into **pass/fail** (pass = marks ≥ 50).
19. Using a cursor, **delete grades** for students who were **absent more than present** in April.

20. Use a cursor to assign grade "Incomplete" to students who have **no marks** but are enrolled in a course.

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**Cursor-based scenarios**

21. A teacher wants to print **each student's name and the courses they are enrolled in** — use a cursor.
22. Generate a **daily report** of attendance using a cursor (student name, date, status).
23. Use a cursor to identify and list **students enrolled in courses outside their department**.
24. Use a cursor to display each course and the list of **students who scored more than 80** in it.
25. Identify and list students who have **enrolled but haven't got any marks** — use a cursor.
26. Create a cursor to calculate **average marks** per department.
27. For each student, use a cursor to calculate **total attendance days** in April.
28. Use a cursor to **insert data into grades** only for students with more than 75% attendance.
29. Use a cursor to print each student's **name, department, and the names of all enrolled courses**.
30. Create a cursor to detect **duplicate course enrollments** for the same student (should not happen, but simulate the check).