

Normalisation – Activity 1 –

Normalise the following dataset to Third Normal Form (3NF).

Recreate the table in the 1NF.

Show all steps and provide a final dependency diagram for each normal form.

A university maintains records of students and the courses they enroll in. Below is a raw dataset.

Composite Primary Keys: StudentID and CourseID.

Student_ID	Student_Name	Phone	Course_ID	Course_Name	Lecturer	Lecturer_Phone	Enrollment_Date	Exam_Date
S001	Alice Green	123-4567	C101, C102	Database, Networking	Prof. Smith, Prof. Jones	555-1111, 555-2222	2024-02-10	2024-06-20
S002	Bob White	234-5678	C101	Database	Prof. Smith	555-1111	2024-02-12	2024-06-22
S003	Charlie Black	345-6789	C102, C103	Networking, Programming	Prof. Jones, Prof. Adams	555-2222, 555-3333	2024-02-15	2024-06-25
S001	Alice Green	123-4567	C103	Programming	Prof. Adams	555-3333	2024-02-10	2024-06-27