Data Collection and Data Insertion in College Database

Objective: To understand **real-world data collection** and **data insertion** in a relational database using SQL.

Instructions (Read Carefully)

1. Use the database schema created in **Lab–2** (ER diagram and tables).
2. **Do not use imaginary or random data.**
3. All data must be collected from **authentic sources**, such as:
    - Official college website
    - Department webpages
    - Class timetable
    - Academic notices / prospectus
4. Data should correspond to **B.P. Mandal College of Engineering, Madhepura, Bihar**.

Data Collection Guidelines

Students are required to **observe and collect real values** for the following:

1. Department

- Department ID (self-defined)
- Department Name (as per college records)
- Office Location / Block (if available); otherwise, put something like Block A, Block B… etc.

📌 *Source:* College website / department page

2. Faculty

- Faculty ID (self-defined)
- Faculty Name (as mentioned on website/timetable)
- Designation
- Official Email ID
- Department

📌 *Source:* Department faculty list / timetable

3. Course

- Course ID (self-defined)
- Course Name (as per syllabus)
- Credits (if available)
- Department
- Faculty teaching the course

📌 *Source:* Syllabus / timetable

4. Student

- Student ID (self-defined)
- Student Name
- Date of Birth
- Gender
- Contact Number
- Department

⚠️ **Do not use real personal contact numbers of other students.** Use **dummy contact numbers** only (e.g., 9XXXXXXXXX).

📌 *Source:* Roll list / class record (Use Friend's details for keeping Variation in database.)

5. Enrollment

- Student ID
- Course ID
- Semester
- Grade (use assumed grades like A, B+, etc.)

📌 *Source:* Academic structure / assumption (grades can be assumed)

Tasks

Part A: Data Insertion

1. Write `INSERT INTO` SQL queries to populate **all tables**.
2. Insert **a minimum of 10 records** in:
    - Student
    - Course
    - Enrollment
3. Ensure:
    - No primary key duplication
    - Foreign key constraints are satisfied

Part B: Verification

1. Execute `SELECT * FROM table_name;` for all tables.

2. Take screenshots of the output.

Submission Instructions

Students must submit:

1. SQL file containing all `INSERT` queries
2. Screenshots of successful data insertion
3. Mention **data source(s)** used (website link / timetable / notice)

Important Note

- Any use of **fake or copied data** will lead to **zero marks**.
- Data consistency will be strictly checked during evaluation.