

UNIT 3: Database Design for Educational Web Applications

Assignment : Identifying Database Components

This assignment helps you identify the basic components of a relational database used in an eLearning system.

Instructions

Before you do this assignment:

- ❖ Read all questions carefully.
- ❖ Complete the assignment individually.
- ❖ Use your own words.
- ❖ Submit as a Word or PDF document.
- ❖ Maximum length: 2 pages.
- ❖ Include your name and registration number.
- ❖ Submission date will be communicated later

Task 1: Imagine you are designing a database for a Learning Management System (LMS).

Create a table containing five entities used in an LMS. For each entity:

- Identify the entity name.
- List at least three attributes.
- Identify the Primary Key (PK).
- Identify one related entity.

Use template below:

Entity	Attributes	Primary Key	Related Entity
Example: Student	Student_ID, Name, Email	Student_ID	Enrolment

Task 2: Briefly answer the following questions:

1. What is the purpose of a primary key in a database?
2. Explain why relationships between database entities are important.
3. Give one example of how a database supports an eLearning system.

END!