

Task 1: Match the ERD Elements to their Corresponding Database Elements

Attribute → a. Column

Entity → f. Table

ER Model → c. Physical design

Instance → e. Row

Primary UID → d. Primary key

Relationship → b. Foreign key

Secondary UID → g. Unique key

Task 2: Identify the Table Diagram Notations

pk: Primary key

fk: Foreign key

uk: Unique key

*: Indicates required (non-nullable) field

o: Optional (nullable) field

Task 3: Create Short Names for the Terms Based on Naming Conventions

Authors → AUTH

Publishers → PUB

Customers → CUST

Task 4: Recognize Attributes for Entities (SONG, EVENT, CUSTOMER)

For this task, you can use an "X" or a checkmark to mark the applicable entities for each attribute.

Attribute	SONG	EVENT	CUSTOMER
Title	X	X	
Description	X	X	
Venue		X	
First Name			X
Phone Number			X
Release Date	X		
Last Name			X
Type	X	X	
Email Address			X

Task 5: Mapping Academic Database to Tables and Columns

For the provided ERD, here's an example of mapping:

STUDENT

Table: STUDENT

Columns: ID (Primary key), First Name, Last Name, Registration Year, Email

PARENT INFORMATION

Table: PARENT_INFORMATION

Columns: ID (Primary key), Parent 1 First Name, Parent 1 Last Name, Parent 2 First Name, Parent 2 Last Name

ACADEMIC_SESSION

Table: ACADEMIC_SESSION

Columns: ID (Primary key), Name

COURSE

Table: COURSE

Columns: ID (Primary key), Name