Exercise 1: Identifying Unique Identifiers and Corresponding Primary Keys

Task 1:

- **Unique Identifier for SONG:** The unique identifier could be the `Song_ID`

Task 2: Unique Identifier for a Student

- **Unique Identifier for a Student:** `Student_ID` is

Task 3: Selecting Unique Identifiers for Entities

Entity: STUDENT

- **Attributes:** student ID, first name, last name, address
- **Unique Identifier:** `Student_ID`

Entity: MOVIE

- **Attributes:** title, date released, producer, director
- **Unique Identifier:** `Title` combined with `Date_Released`

Entity: LOCKER

- **Attributes:** size, location, number
- **Unique Identifier:** `Locker_Number`

Exercise 2: Identifying Unique Identifiers and Adding to the ERD

Task 1: Using the Academic Database ERD

Based on the entities identified in the previous exercises, the unique identifiers and candidate unique identifiers can be defined as follows:

Entities and Their Unique Identifiers

1. **Student**
   - **Unique Identifier:** `Student_ID`
   - **Candidate Unique Identifiers:** `Email_ID`, `Phone_Number`
2. **Faculty**
   - **Unique Identifier:** `Faculty_ID`
   - **Candidate Unique Identifiers:** `Email_ID`, `Phone_Number`
3. **Course**

- ○ **Unique Identifier:** `Course_ID`
- ○ **Candidate Unique Identifiers:** `Course_Title` combined with `Department_ID`
4. **Department**
   - ○ **Unique Identifier:** `Department_ID`
   - ○ **Candidate Unique Identifiers:** `Department_Name` combined with `School_ID`
5. **Parent Information**
   - ○ **Unique Identifier:** `Parent_ID`
   - ○ **Candidate Unique Identifiers:** `Email_ID`, `Phone_Number`
6. **Academic Session**
   - ○ **Unique Identifier:** `Session_ID`
   - ○ **Candidate Unique Identifiers:** `Start_Date` combined with `End_Date`
7. **Exam**
   - ○ **Unique Identifier:** `Exam_ID`
   - ○ **Candidate Unique Identifiers:** `Course_ID` combined with `Session_ID` and `Exam_Date`
8. **Attendance**
   - ○ **Unique Identifier:** `Attendance_ID`
   - ○ **Candidate Unique Identifiers:** `Student_ID` combined with `Course_ID` and `Session_ID`
9. **Faculty Log**
   - ○ **Unique Identifier:** `Log_ID`
   - ○ **Candidate Unique Identifiers:** `Faculty_ID` combined with `Login_Time` and `Date`