**Scenario Title:**

Laptop Rental System for University Campuses

**Scenario:**

At university a laptop rental system is used to track the rentals ,making the process of rental transaction easier for the staff to manage. Users can rent laptops for specific periods, and the system tracks availability, rental history, and maintenance logs to ensure efficiency and accessibility. The system will store userID ,name and numberofRentals for user, User could be admin or regular user. The laptops will have a laptopID . The laptops model and status will be recorded. When a laptop is rented the transactionID , userID, laptopID, rental date and return date will be recorded. If laptop is lost a report is created.

**Example Entities and Attributes:**

* **User**:
  + UserID (Primary Key)
  + Attributes:  Name, numberOfrentals.
* **Laptop**:
  + LaptopID (Primary Key)
  + Attributes: Model, Status (Available/Rented/Maintenance).
* **lost**:
  + ReportID (Primary Key), LaptopID (Foreign Key), UserID (Foreign Key)
  + Attributes: Report Date, Description, Status (Open/Closed).
* **Rental Transaction (Event)**:
  + Attributes: TransactionID (Primary Key), UserID (Foreign Key), LaptopID (Foreign Key), RentalDate, ReturnDate.

**Example Queries:**

1. **List** all the laptops currently available for rental.
2. **Who** has rented a laptop in the past month?
3. **Which** department has the highest number of rentals?
4. **How many** laptops are currently under maintenance?
5. **Find** the user with the fewest rentals in the last term.