

## Practical 1 Lab Task

### 1. **Bookstore Inventory Management (ODD PRN)**

A small bookstore wants to keep track of its inventory. They sell books categorized by genre, each book has a title, author, price, and stock quantity. Create an ER diagram to model this scenario.

### 2. **Online Movie Database (EVEN PRN)**

A website stores information about movies, including their title, release year, genre, and director. Each movie can have multiple actors, and each actor can act in multiple movies. Create an ER diagram to represent this system.

### 3. **School Enrollment (EVEN PRN)**

A school records details about its students and the courses they enroll in. Each student has a unique ID, name, and age. Courses have a course ID, name, and instructor. A student can enroll in multiple courses, and each course can have many students. Design an ER diagram for this scenario.

### 4. **Gym Membership System (ODD PRN)**

A gym tracks its members and trainers. Each member has a membership ID, name, and type of membership. Trainers are assigned to members, and each trainer can have multiple members. Create an ER diagram to represent this.