

### 3<sup>rd</sup> Sem MCA /Lab Task/30.09.2024

#### Task 1: Movie Rental Store

##### Objective:

Create a simple movie rental system for managing movies and customers.

##### Requirements:

- **List:** Store a list of available movies.
- **Tuple:** Each movie is represented as a tuple containing the title, genre, and rental price.
- **Dictionary:** Use a dictionary where keys are customer names and values are lists of rented movie tuples.
- **Functions:**
  - Add new movies to the catalog.
  - Rent movies to customers.
  - Return rented movies.
  - Display available movies and rented movies.
  - Calculate rental earnings.
- **Modules:** Organize functions for movie catalog management, rentals, and earnings into separate modules.

#### Task 2: Expense Tracker

##### Objective:

Create an expense tracking system that allows users to log daily expenses and categorize them.

##### Requirements:

- **List:** Store daily expenses.
- **Tuple:** Each expense should be a tuple consisting of the category, description, and amount.
- **Dictionary:** Store expenses by month using a dictionary where keys are the month names and values are lists of expense tuples.
- **Functions:**
  - Add an expense.
  - View total expenses for a specific month.
  - Calculate expenses by category (e.g., groceries, transport, etc.).
  - Save and load expenses from a file.
- **Modules:** Divide the functions for expense management, monthly reports, and file handling into separate modules.

**Note: Minimum one task to be Uploaded in github by 12.30 pm today.**