Lab 5

SQL (Structured Query Language)

Objectives:

- Introducing Referential Integrity Constraints (Foreign Key Constraints)
- Simple data retrieving using Select statement.

Database:-

The following relations shows basic entities of **Library Management System**.
Implement the schema using DDL statements:-

BOOK (book_id, title, price, pub_id, category_id)

CATEGORY (category_id,name)

PUBLISHER (pub_id, name, address)

MEMBER (member_id, name, address, join_date)

BORROWING_BOOK (member_id, book_id, borrow_date,
due_date, return_date)

SQL Queries:-

1. Write SQL query to retrieve names of members Who Joined the system after 1September 2000.
2. Write SQL query to retrieve publisher name and id for all publishers.
3. Write SQL query to retrieve all info of members Who Joined the system between 1October 1995 and 1 October 2019.
4. Write SQL query to retrieve all info of books with publisher id “2” or the price between $15 to $20.
5. Write SQL query to retrieve all borrowing records for member with id “5”.

Deliverable

You should prepare the following in a file and be ready to present and discuss them during submission lab:

- DDL scripts for database creation
- SQL query you used to answer the questions above and the output/error if any

Policies:

- You should work individually.
- If 2 or more copies are discovered, all copies will lose all the marks of year work. Hence, it is better to deliver nothing than delivering a copy.
- Late submission is allowed for one week with 80% of the total mark. No late submission is allowed after that