# Database Administration with Oracle Database 11g

**Objective:** The objective of this experiment is to create and manage a database using Oracle Database 11g, a popular relational database management system.

## **Experiment Steps:**

## 1. Installation:

• Ensure that Oracle Database 11g is installed on your system. Follow Oracle's installation documentation and best practices for your specific operating system.

## 2. Create a New Database:

- Log in to the Oracle Database using SQL\*Plus or another SQL client as a user with administrative privileges (e.g., "sys" or "system").
- Create a new database by executing SQL commands. For example:

CREATE DATABASE bookstore;

### 3. Define Tables and Schema:

• Create tables to define the database schema. For instance, let's create a "books" table:

```
CREATE TABLE books (
book_id NUMBER PRIMARY KEY,
title VARCHAR2(255),
author VARCHAR2(100),
publication_year NUMBER
);
```

# 4. Insert Data:

• Populate the "books" table with sample data:

INSERT INTO books (book\_id, title, author, publication\_year) VALUES (1, 'The Great Gatsby', 'F. Scott Fitzgerald', 1925); INSERT INTO books (book\_id, title, author, publication\_year) VALUES (2, 'To Kill a Mockingbird', 'Harper Lee', 1960);

5. Open me uatavases. 10 nst an uatavases in wyoQL, execute me tonowing command

SHOW DATABASES;