**EX.NO:1 :Write a Program to Perform Transaction Processing for a Database**

mysql> CREATE DATABASE IF NOT EXISTS example\_db;

Query OK, 1 row affected (0.01 sec)

mysql> USE example\_db;

Database changed

mysql> CREATE TABLE IF NOT EXISTS transactions (transaction\_id INT AUTO\_INCREMENT PRIMARY KEY,description VARCHAR(255),amount DECIMAL(10, 2));

Query OK, 0 rows affected, 1 warning (0.01 sec)

mysql> INSERT INTO transactions (description, amount) VALUES('Initial deposit', 1000.00),('Purchase of goods', -500.50),('Salary credit', 1500.00);

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM transactions;

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| transaction\_id | description | amount |

+----------------+-------------------+---------+

| 1 | Initial deposit | 1000.00 |

| 2 | Purchase of goods | -500.50 |

| 3 | Salary credit | 1500.00 |

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3 rows in set (0.00 sec)

mysql> START TRANSACTION;

Query OK, 0 rows affected (0.00 sec)

mysql> UPDATE transactions SET amount = amount - 50.00 WHERE transaction\_id = 2;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE transactions SET amount = amount - 50.00 WHERE transaction\_id = 2;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> SELECT \* FROM transactions;

+----------------+-------------------+---------+

| transaction\_id | description | amount |

+----------------+-------------------+---------+

| 1 | Initial deposit | 1000.00 |

| 2 | Purchase of goods | -600.50 |

| 3 | Salary credit | 1500.00 |

+----------------+-------------------+---------+

3 rows in set (0.00 sec)

mysql> COMMIT;

Query OK, 0 rows affected (0.00 sec)

mysql> select \* from transactions

-> ;

+----------------+-------------------+---------+

| transaction\_id | description | amount |

+----------------+-------------------+---------+

| 1 | Initial deposit | 1000.00 |

| 2 | Purchase of goods | -600.50 |

| 3 | Salary credit | 1500.00 |

+----------------+-------------------+---------+

3 rows in set (0.00 sec)

mysql>