DEVELOP MICRO- PROJECT. BASED ON
BUSINESS SCENARIES AND USE CASES.

Micro project Title: Online book store management
system.

Aim: To design & implement a database- driver
system that manages books. Customer & their
order using that 'SQL for data storage.

=> Create databases

CREATE ~~TABLE~~ DATABASE bookstore_db

USE bookstore_db:

=> Create books table and insert values

CREATE TABLE books. (book-id, INT
PRIMARY REY; title VARCHAR (100), author
VARCHAR (100), price, DECIMAL(6.2) quality
INT);

INSERT INTO BOOKS' VALUES ('The AI Chemist',
'pay to Cocho', 399.00, 10); ('Atomic
habits', 'James clear, 4.996, 15); (Rish
oad poor Dad', 'Robert kiyo saki
(299.00);

=> Display:

SELECT * from books.

Book ID	Title	Author	Price	Quantity
1	The Alchemist	Paulo Cetro	599	10
2	Atomic Habits	James dear	499	15
3	Rich dad Poor dad	Robert Kiyasaki	199	19

=> Create Customer table & insert values

CREATE TABLE Customers (Customers -IDS), home
varchar (10), email varchar (100), email
varchar (100), phone varchar 10: INSERT
INT customer VALUES ('Riya','Riya gmail.Cont
19876543210')('Amit', 'amit@gmail.com',
(98405020721);

=> Display table Customer.

Customer id	Name	Email	phone
	Riya	riya@gmail.com	987654326
2	Amit	Amiti@gmail.com	a8314 87784

12.1 Search a Book by
title.

SELECT FROM books WHERE TITLE LIKE
y. Atomi c y.

Output.

Book_ID	Title	Author	Price	Quantity
2	Atomic Habits	James clear	499·00	15.

12.2

Update book quantity ofter purchase

UPDATE books
SET quantity = quantity -2
WHERE book_id = 2

Output

BOOK_ID	TITLE	AUTHOR	PRICE	Quants
1	The Alchent	Paula	3a9	10
2	Atomic habits	James	499	13
3	Rich dadpoor dad	Robert	299	18·

12.3 Find best selling books.

SELECT b.title SUM (o.quantity) As total
sold FROM orders o.

JOIN books b ON o.book_ID b book_ID
GROUP BY b.title
ORDER BY total_sold DESC

LIMIT 1;

Output.

Title	Total-sold
Atomic Habits	2

12.4

Calculate total revenue.

SELECT SUM (b.price * O.quantity) As
total_revenue.

FROM order O.

JOIN books b ON a_book.id = b bookd

Output.

Total Revenue
998.06

Result : Hence the given task has
been sucessfully completed & the
Output is verified