IARE
INSTITUTE OF AERONAUTICAL ENGINEERING
(An Autonomous Institute affiliated to JNTUH, Hyderabad)
Dundigal, Hyderabad - 500 043

LABORATORY WORK BOOK

Name of the Student : HIMAKAR C

Class : CSE - B Semester : VI

Course Code : ACIC09 Course Name : SCRIPT Laboratory

Roll Number									
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Name of the Course Faculty : Mr. ACHYUTHA SURESH BABU Faculty ID : IARE10996

Exercise Number : Week Number : 12 Date : 21/7/24

S. No.	Exercise Number	EXERCISE NAME	MARKS AWARDED					
			Aim/ Preparation	Algorithm / Procedure / Performance in the Lab	Source Code / Calculations and Graphs	Program Execution / Results and Error Analysis	Viva - Voce	Total
			4	4	4	4	4	20
1	12-1	Library Management System	4	4	4	4	4	20
2	12-2	E-commerce Application						
3								
4								
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12								

Signature of the Student

Signature of the Faculty

12.1 Library Management system

Database setup:

```
import sqlite3
def ct():
    cn = sqlite3.connect('library.db')
    cr = cn.cursor()
    cr.execute('''create table if not exists
     Students (st_id Text Primary key,
          name Text not null,
          address Text not null,
          Phone Text not null)''')
    cn.commit()
    cn.close()
ct()
```

Add Student functionality:

```
def as(st_id, name, address, Phone):
    cn = sqlite3.connect('library.db')
    cr = cn.cursor()
    try:
        cr.execute('''
            insert into Students (st_id, name, address, Phone)
            values (?, ?, ?, ?)'''))
    cn.commit()
    cn.close()
```

OUTPUT:

St_id: "5001"
Name: "John"
Address: "123 Main St"
Phone: "555-1234"
Student added successfully

11.2 E-commerce Application

Database setup:

```
import sqlite3
def ct():
    cn = sqlite3.connect('ecommerce.db')
    cr = cn.cursor()
    cr.execute('''create table (Pd_id text primary key,
                name text) not null,
                description text,
                price Real not null,
                stock integer not null)''')
    cn.commit()
    cn.close()
ct()
```

Add Product functionality:

```
def ap(Pd_id, name, description, price, stock):
    cn = sqlite3.connect('ecommerce.db')
    cr = cn.cursor()
    try:
        cr.execute("""insert into product(?,?,?,?,?)
                   values (Pd_id, name, description, price, stock)""")
        cn.commit()
    except:
        print('product already exists')
    cn.close()
```

Display product_functionality:

```
def dP():
    cn = sqlite3.connect('ecommerce.db')
    cr = cn.cursor()
    cr.execute('select * from products')
    p = cr.fetchall()
    for i in p:
        print('Product_id:', i[0])
        print('Name:', i[1])
        print('Description:', i[2])
        print('Price:', i[3])
        print('Stock:', i[4])
    cn.close()
```

OUTPUT:

Product_id : "5065"

Name : "laptop"

Description : "highest product"

Price : 50000

Stock : 2

Product added successfully