**NAME: KRISHNA MOHAN DULLOLLI** 

USN : 1BM19CS075

CODE: 19CS4PCDBM

SEM: 4<sup>TH</sup>

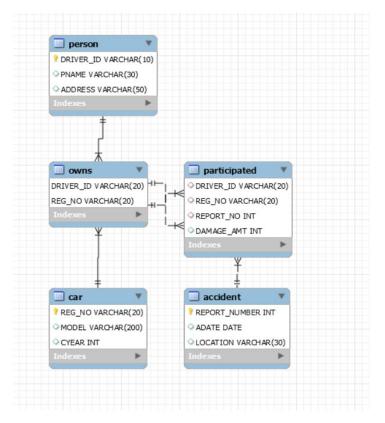
**EXAM: CIE 1 (INTERNALS)** 

-----

## **Q1) INSURANCE DATABASE**

i) SQL FILE

https://github.com/KRISHNADULLOLLLI/DBMS-LAB-PROGRAMS-1BM19CS075-/blob/main/Labprogram 1/insurance db.sql



#### iii) QUERY 2

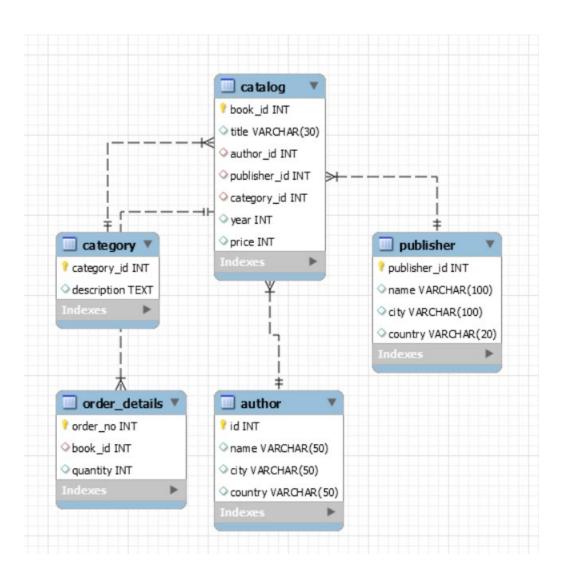
## iv) QUERY 3

```
104
         Find the number of accidents in which cars belonging to a specific model were involved.*/
 105
 106
         SELECT COUNT (A. REPORT NUMBER)
 107
         FROM ACCIDENT A, PARTICIPATED P, CAR C
         WHERE A.REPORT_NUMBER = P.REPORT_NO
 108
 109
         P.REG_NO = C.REG_NO
         AND
 111
 112
         C.MODEL= 'MARUTHI-DX';
Export: Wrap Cell Content: IA
    COUNT(A.REPORT_NUMBER)
b 1
```

## **Q2) BOOKDEALER DATABASE**

## i) SQL FILE

https://github.com/KRISHNADULLOLLLI/DBMS-LAB-PROGRAMS-1BM19CS075-/blob/main/Labprogram\_2/Bookdealer\_db.sql



```
→ /* (QUERY 1)

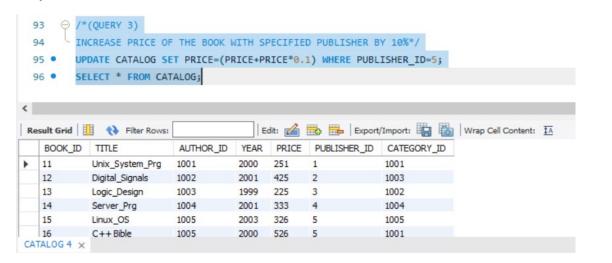
82
        DETAILS OF AUTHOR HAVING ATLEAST 2 BOOKS AND YEAR OF PUB AFTER 2000.*/
84 • ⊖ SELECT * FROM AUTHOR WHERE AUTHOR_ID IN(
        SELECT AUTHOR_ID FROM CATALOG WHERE YEAR >= 2000 GROUP BY AUTHOR_ID
85
        HAVING COUNT(AUTHOR_ID) >=2 );
86
87
88

→ /*(QUERY 2)

      AUTHOR OF BOOKS WITH MAX SALES*/
89
                                       Edit: 🏄 📆 🖶 Export/Import: 🛄 📸 Wrap Cell Content: 🟗
AUTHOR_ID
                                  COUNTRY
            NAME
                        CITY
  1005
            STRALLINGS
                       LAS VEGAS
                                 USA
 NULL
                                 NULL
            NULL
                       NULL
```

## IV) QUERY 2

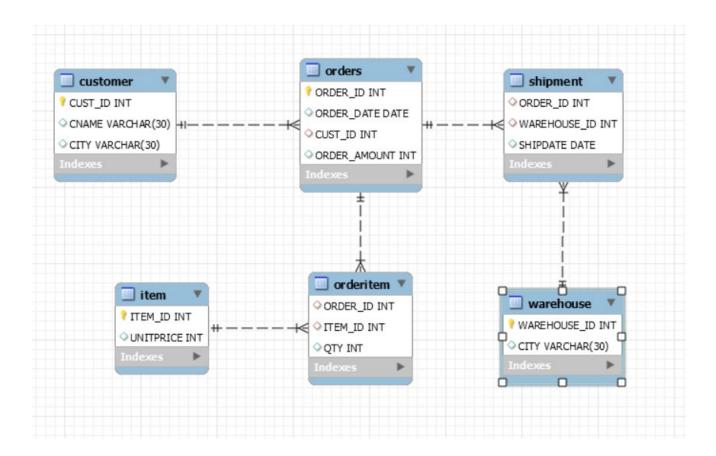




# Q3) ORDER PROCESS DATABASE

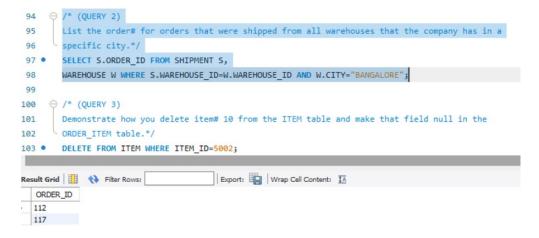
## i) SQL FILE

https://github.com/KRISHNADULLOLLLI/DBMS-LAB-PROGRAMS-1BM19CS075-/blob/main/Labprogram 3/OrderProcessing db.sql



```
Produce a listing: CUSTNAME, #oforders, AVG ORDER AMT, where the middle column is the total
86
        numbers of orders by the customer and the last column is the average order amount for that
        customer.*/
89 •
       SELECT C.CNAME, COUNT(O.ORDER_ID)
90
        AS TOTALORDERS, AVG(O.ORDER_AMOUNT)
        AS AVG_ORDER_AMT FROM CUSTOMER C,
91
92
       ORDERS O WHERE C.CUST_ID=O.CUST_ID GROUP BY O.CUST_ID;
93
94 ⊖ /* (QUERY 2)
Export: Wrap Cell Content: IA
  CNAME TOTALORDERS AVG_ORDER_AMT
 PUSHPA K
                       19000.0000
                 17500.0000
 FAIZAL
                       24000.0000
 SOURAV 1
                       29000.0000
 SUMAN
                       56000.0000
```

### iv) QUERY 2



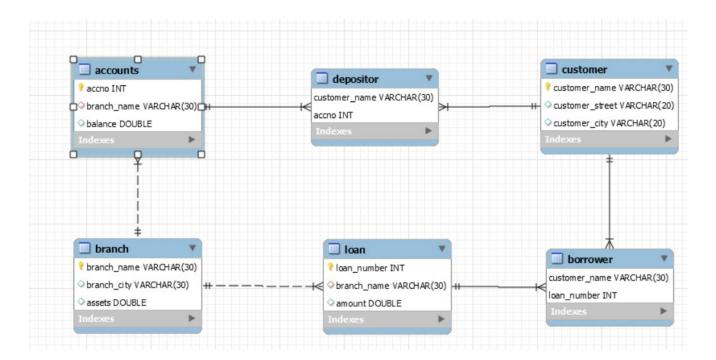
```
→ /* (QUERY 3)

100
         Demonstrate how you delete item# 10 from the ITEM table and make that field null in the
101
         ORDER ITEM table.*/
102
         DELETE FROM ITEM WHERE ITEM ID=5002;
103 •
         SELECT * FROM ORDERITEM;
104 •
105
106
107
108
109
Export: Wrap Cell Content: IA
   ORDER_ID ITEM_ID QTY
111
            5001
            5003
   112
                    20
   113
            5002
                    50
   114
            5005
                    60
   115
            5004
  116
            5001
                    10
ORDERITEM 3 ×
```

## Q4) BANK ENTERPRISE DATABSE

## i) SQL FILE

https://github.com/KRISHNADULLOLLLI/DBMS-LAB-PROGRAMS-1BM19CS075-/blob/main/Labprogram 4/BankEnterprise db.sql



```
→ /* QUERY 1

80
        Find all the customers who have at least two accounts at the Main branch.*/
81
        select d.customer_name from depositor d,accounts a
82 •
83
       where d.accno=a.accno and a.branch name = "D"
        group by d.customer_name having count(d.customer_name) >=2;
84
85
86
     Find all the customers who have an account at all the branches located in a specific city.*/
                                     Export: Wrap Cell Content: IA
customer_name
 Seema
```

## IV) QUERY 2

```
Find all the customers who have an account at all the branches located in a specific city.*/

select customer_name from depositor

join accounts on accounts.accno = depositor.accno

join branch on branch.branch_name = accounts.branch_name

where branch.branch_city = "Bangalore"

GROUP BY depositor.customer_name

having count(DISTINCT branch.branch_name) = (SELECT COUNT(branch_name))

FROM branch

WHERE branch_city = 'Bangalore');

sult Grid 

Filter Rows:

Export: Wrap Cell Content: IA

customer_name

Ravi
```

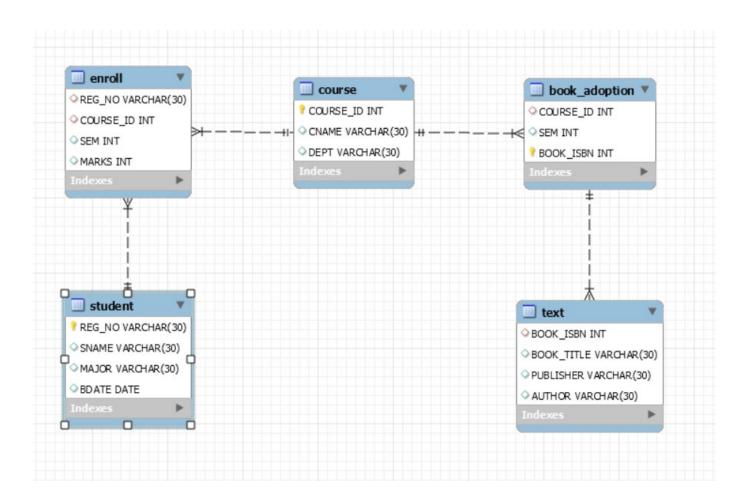
```
→ /* QUERY 3

          Demonstrate how you delete all account tuples at every branch located in a specific city.*/
          delete from accounts where branch name in
           (select branch name from branch where branch city="Delhi");
101
<
Output
Action Output
    29 19:13:51 SELECT S.ORDER ID FROM SHIPMENT S. WAREHOUSE W WHERE S.WAREHOUSE ID=W.WAREHOUSE ID AND W.Cl... 2 row(s) returned
    30 19:14:26 SELECT * FROM ORDERITEM LIMIT 0, 1000
                                                                                                                             10 row(s) returned
     31 19:15:08 USE BANKING_ENTERPRISE
                                                                                                                            0 row(s) affected
     32 19:16:25 USE BANKING_ENTERPRISE
     33 19:16:32 select d.customer_name from depositor d.accounts a where d.accno=a.accno and a.branch_name = "D" group by d.customer_...
                                                                                                                            1 row(s) returned
34 19:17:11 select customer_name from depositor join accounts on accounts accno = depositor.accno join branch on branch branch_name = ... 1 row(s) returned
     35 19:17:42 delete from accounts where branch_name in (select branch_name from branch where branch_city="Delhi")
                                                                                                                            0 row(s) affected
```

# **Q5) STUFDENT ENROLLMENT DB**

## i) SQL FILE

https://github.com/KRISHNADULLOLLLI/DBMS-LAB-PROGRAMS-1BM19CS075-/blob/main/Labprogram 5/StudentEnrollement db.sql



```
Demonstrate how you add a new text book to the database and make this book be adopted by some department.*/
81
82 • INSERT INTO TEXT VALUES(7, "TREES & GRAPHS", "PRINCETON", "SADGE");
       INSERT INTO BOOK_ADOPTION VALUES(11, 4, 8);
       SELECT * FROM BOOK_ADOPTION;
 84 •
 85
                                  Edit: 🚄 📆 🖶 Export/Import: 🏭 👸 Wrap Cell Content: 🏗
COURSE_ID SEM BOOK_ISBN
           2
  22
           6
                6
  11
           NULL
                NULL
```

## IV) QUERY 2

```
→ /* QUERY 3

  95
         List any department that has all its adopted books published by a specific publisher.*/
  96
  97 •
         SELECT DISTINCT C.DEPT
         FROM COURSE C
 98
         WHERE C.DEPT
      O IN (SELECT C.DEPT
 100
 101
         FROM COURSE C, BOOK_ADOPTION B, TEXT T
         WHERE C.COURSE_ID=B.COURSE_ID
 102
 103
         AND T.BOOK_ISBN=B.BOOK_ISBN
         AND T.PUBLISHER='Princeton')
 104
         AND C.DEPT
 105
      O NOT IN (SELECT C.DEPT
 106
         FROM COURSE C, BOOK_ADOPTION B, TEXT T
 197
         WHERE C.COURSE ID=B.COURSE ID
 108
         AND T.BOOK_ISBN=B.BOOK_ISBN
 109
         AND T.PUBLISHER != 'Princeton');
                                         Export: Wrap Cell Content: IA
Result Grid Filter Rows:
   DEPT
▶ CS
```