

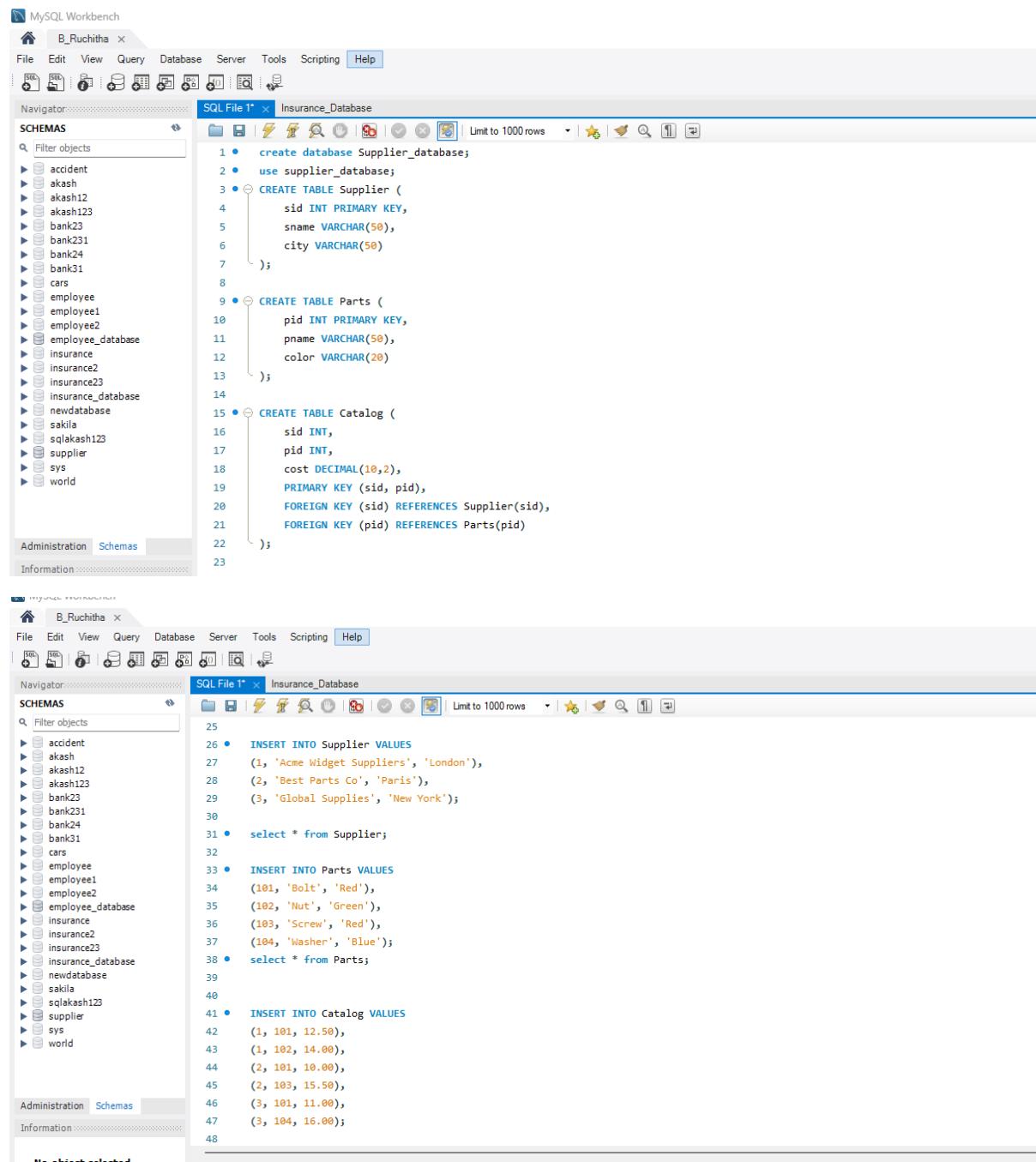
DBMS

Name: B Ruchitha

USN: DIP

Date: 13/11/2025

Supplier Database:



The screenshot shows two instances of MySQL Workbench. Both instances have the same interface layout: a top menu bar (File, Edit, View, Query, Database, Server, Tools, Scripting, Help), a central SQL editor tab labeled 'SQL File 1' with the schema 'Insurance_Database', and a left-hand Navigator pane listing various databases and schemas.

Top Instance (SQL Editor Content):

```
1 • create database Supplier_database;
2 • use supplier_database;
3 • CREATE TABLE Supplier (
4     sid INT PRIMARY KEY,
5     sname VARCHAR(50),
6     city VARCHAR(50)
7 );
8
9 • CREATE TABLE Parts (
10    pid INT PRIMARY KEY,
11    pname VARCHAR(50),
12    color VARCHAR(20)
13 );
14
15 • CREATE TABLE Catalog (
16     sid INT,
17     pid INT,
18     cost DECIMAL(10,2),
19     PRIMARY KEY (sid, pid),
20     FOREIGN KEY (sid) REFERENCES Supplier(sid),
21     FOREIGN KEY (pid) REFERENCES Parts(pid)
22 );
23
```

Bottom Instance (SQL Editor Content):

```
25
26 • INSERT INTO Supplier VALUES
27     (1, 'Acme Widget Suppliers', 'London'),
28     (2, 'Best Parts Co', 'Paris'),
29     (3, 'Global Supplies', 'New York');
30
31 • select * from Supplier;
32
33 • INSERT INTO Parts VALUES
34     (101, 'Bolt', 'Red'),
35     (102, 'Nut', 'Green'),
36     (103, 'Screw', 'Red'),
37     (104, 'Washer', 'Blue');
38 • select * from Parts;
39
40
41 • INSERT INTO Catalog VALUES
42     (1, 101, 12.50),
43     (1, 102, 14.00),
44     (2, 101, 10.00),
45     (2, 103, 15.50),
46     (3, 101, 11.00),
47     (3, 104, 16.00);
48
```

B_Ruchitha ×

Edit View Query Database Server Tools Scripting Help

HEMAS

Filter objects

```

accident
akash
akash12
akash123
bank23
bank231
bank24
bank31
cars
employee
employee1
employee2
employee_database
insurance
insurance2
insurance23
insurance_database
newdatabase
sakila
sqlakash123
supplier
sys
world

Administration Schemas
Formation

```

No object selected

SQL File 1 × Insurance_Database

```

49 • INSERT INTO Catalog VALUES
50   (1, 103, 15.00),
51   (1, 104, 17.00);
52
53
54 • select * from Catalog;
55
56 • SELECT DISTINCT p.pname
57   FROM Parts p
58   JOIN Catalog c ON p.pid = c.pid;
59
60 • SELECT s.sname
61   FROM Supplier s
62   WHERE NOT EXISTS (
63     SELECT p.pid
64     FROM Parts p
65     WHERE p.pid NOT IN (
66       SELECT c.pid FROM Catalog c WHERE c.sid = s.sid
67     )
68   );
69
70 • SELECT s.sname
71   FROM Supplier s
72   WHERE NOT EXISTS (

```

OUTPUT:

```

55
56 • SELECT DISTINCT p.pname
57   FROM Parts p
58   JOIN Catalog c ON p.pid = c.pid;
59
60 • SELECT s.sname

```

	pname
▶	Bolt
	Nut
	Screw
	Washer

```
59
60 •   SELECT s.sname
61   FROM Supplier s
62   WHERE NOT EXISTS (
63     SELECT p.pid
64     FROM Parts p
65     WHERE p.pid NOT IN (
66       SELECT c.pid FROM Catalog c WHERE c.sid = s.sid
67     )
68   );
69
```

Result Grid	
	Filter Rows: <input type="text"/>
	Export: Wrap Cell Content:

sname
Acme Widget Suppliers

```
68   );
69
70 •   SELECT s.sname
71   FROM Supplier s
72   WHERE NOT EXISTS (
73     SELECT p.pid
74     FROM Parts p
75     WHERE p.color = 'Red'
76     AND p.pid NOT IN (
77       SELECT c.pid FROM Catalog c WHERE c.sid = s.sid
78     )
79   );
80
81 •   SELECT p.pname
```

Result Grid	
	Filter Rows: <input type="text"/>
	Export: Wrap Cell Content:
sname	
Acme Widget Suppliers	
Best Parts Co	

```
81 •     SELECT p.pname  
82     FROM Parts p  
83     JOIN Catalog c ON p.pid = c.pid  
84     JOIN Supplier s ON s.sid = c.sid  
85     WHERE s.sname = 'Acme Widget Suppliers'  
86     AND p.pid NOT IN (  
87         SELECT c2.pid  
88         FROM Catalog c2  
89         JOIN Supplier s2 ON s2.sid = c2.sid  
90         WHERE s2.sname <> 'Acme Widget Suppliers'  
91     );  
92  
93 •     SELECT DISTINCT s.sname
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	pname			
▶	Nut			

```
93 •   SELECT DISTINCT s.sname  
94      FROM Supplier s  
95      JOIN Catalog c ON s.sid = c.sid  
96      WHERE c.cost > (  
97          SELECT AVG(c2.cost)  
98          FROM Catalog c2  
99          WHERE c2.pid = c.pid  
100     );  
101  
102  
103  
104
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	sname			
▶	Acme Widget Suppliers			
	Best Parts Co			

```
104  
105 •   SELECT p.pname, s.sname, c.cost  
106   FROM Catalog c  
107   JOIN Supplier s ON s.sid = c.sid  
108   JOIN Parts p ON p.pid = c.pid  
109   WHERE c.cost = (   
110       SELECT MAX(c2.cost)  
111       FROM Catalog c2  
112       WHERE c2.pid = c.pid  
113   );  
114  
115  
116
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

	pname	sname	cost
▶	Bolt	Acme Widget Suppliers	12.50
	Nut	Acme Widget Suppliers	14.00
	Washer	Acme Widget Suppliers	17.00
	Screw	Best Parts Co	15.50