

# Insurance Management & System Using SQL

## Project Documentation

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### 1. Project Overview

This project models and analyzes vehicle insurance data using SQL. It covers user information, vehicles, brokers, quotes, and premium transactions. The objective is to derive insights such as active customers, premium distribution, and broker activities.

### 2. Tools & Technologies Used

- MySQL
- SQL Workbench

### 3. Database Table Descriptions

Table Name	Description
vehicle_make	Vehicle manufacturers
vehicle_model	Vehicle models linked to manufacturers
region	Geographical regions
state	Indian states linked to regions
city	Cities linked to states
product_config	Insurance products and premiums
user_personal_info	User profile and status
login_user	Login credentials and user status
broker_info	Insurance brokers and their organizations
quote_info	Quotes for insurance issued to users
premium_config	Tax and surcharge configuration
premium_summary	Premium calculations and totals
lov_data	List of values for dropdowns

### 4. Database Schema

Database Creation

MySQL Workbench

Schemas: besant, college, diva, dk, insramgram, portfolio, project1, sys, test, toys, walmart, xyz

Table Creation: SQL File 14\*

```
CREATE DATABASE insurance;
use insurance;
```

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	00:49:57	CREATE TABLE premium_config ( premium_id INT PRIMARY KEY, config_id INT, tax_rate DECIMAL(15, 2), base_premium DECIMAL(15, 2) ) ENGINE = InnoDB;	0 row(s) affected	0.063 sec
18	00:49:59	CREATE TABLE premium_summary ( summary_id INT PRIMARY KEY, quote_id INT, base_premium DECIMAL(15, 2), total_premium DECIMAL(15, 2) ) ENGINE = InnoDB;	0 row(s) affected	0.031 sec
19	00:50:01	CREATE TABLE lov_data ( lov_id INT PRIMARY KEY, lov_type VARCHAR(100), lov_value VARCHAR(100) ) ENGINE = InnoDB;	0 row(s) affected	0.032 sec

Object Info Session

28°C Mostly cloudy 12:50 AM 6/15/2025

## Table Creation

MySQL Workbench

Schemas: besant, college, diva, dk, insramgram, portfolio, project1, sys, test, toys, walmart, xyz

Table Creation: SQL File 14\*

```
CREATE DATABASE insurance;
use insurance;

CREATE TABLE vehicle_make (
    make_id INT PRIMARY KEY,
    make_desc VARCHAR(100) NOT NULL,
    status VARCHAR(10) CHECK (status IN ('active', 'inactive'))
);

CREATE TABLE vehicle_model (
    model_id INT PRIMARY KEY,
    model_desc VARCHAR(100) NOT NULL,
    make_id INT,
    status VARCHAR(10) CHECK (status IN ('active', 'inactive')),
    FOREIGN KEY (make_id) REFERENCES vehicle_make(make_id)
);

CREATE TABLE region (
    region_id INT PRIMARY KEY,
    region_name VARCHAR(100)
);
```

No object selected

Action Output

#	Time	Action	Message	Duration / Fetch
17	00:49:57	CREATE TABLE premium_config ( premium_id INT PRIMARY KEY, config_id INT, tax_rate DECIMAL(15, 2), base_premium DECIMAL(15, 2) ) ENGINE = InnoDB;	0 row(s) affected	0.063 sec
18	00:49:59	CREATE TABLE premium_summary ( summary_id INT PRIMARY KEY, quote_id INT, base_premium DECIMAL(15, 2), total_premium DECIMAL(15, 2) ) ENGINE = InnoDB;	0 row(s) affected	0.031 sec
19	00:50:01	CREATE TABLE lov_data ( lov_id INT PRIMARY KEY, lov_type VARCHAR(100), lov_value VARCHAR(100) ) ENGINE = InnoDB;	0 row(s) affected	0.032 sec

Object Info Session

28°C Mostly cloudy 12:50 AM 6/15/2025

The screenshot shows the MySQL Workbench interface with the following details:

- File**, **Edit**, **View**, **Query**, **Database**, **Server**, **Tools**, **Scripting**, **Help** menu items.
- Navigator** pane on the left showing the **SCHEMAS** section with objects like `bseant`, `college`, `diva`, `dk`, `instagram`, `portfolio`, `project1`, `reptile`, `test`, `toys`, `walmart`, and `xyz`.
- Table Creator** tab selected in the top bar.
- SQL File 14\*** tab selected in the top bar.
- Limit to 1000 rows** button in the toolbar.
- Code Area**:
  - SQL code for creating three tables: `state`, `city`, and `vehicle_color`.
  - Table `state` has columns `state_id` (primary key), `state_name` (VARCHAR(100)), and `region_id` (INT). It includes a foreign key reference to `region(region_id)`.
  - Table `city` has columns `city_id` (primary key), `city_name` (VARCHAR(80)), and `state_id` (INT). It includes a foreign key reference to `state(state_id)`.
  - Table `vehicle_color` has columns `color_id` (primary key) and `color_name` (VARCHAR(50)).
- Information** tab selected in the bottom-left.
- No object selected** message in the bottom-left.
- Output** pane at the bottom showing the results of the executed queries:

#	Time	Action	Message	Duration / Fetch
17	00:49:57	CREATE TABLE premium_config ( premium_id INT PRIMARY KEY, config_id INT, tax_rate DECIMAL(5,2) ) ENGINE=InnoDB	0 row(s) affected	0.063 sec
18	00:49:59	CREATE TABLE premium_summary ( summary_id INT PRIMARY KEY, quote_id INT, base_premium DECIMAL(10,2) ) ENGINE=InnoDB	0 row(s) affected	0.031 sec
19	00:50:01	CREATE TABLE lov_data ( lov_id INT PRIMARY KEY, lov_type VARCHAR(100), lov_value VARCHAR(100) ) ENGINE=InnoDB	0 row(s) affected	0.032 sec
- Object Info** and **Session** tabs at the bottom-left.
- System tray icons for battery, signal strength, and volume.
- Taskbar icons for File Explorer, Search, and other applications.
- System status bar at the bottom right showing the date and time (12:51 AM 6/15/2025).

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

basent college diva dk instram portfolio project1 sys test toys walmart xyz

Administration Schemas Information

No object selected

Table Creation\* Insert Queries Analysis Queries SQL File 14\*

Unit to 1000 rows

45 CREATE TABLE vehicle\_body ( body\_id INT PRIMARY KEY, body\_type VARCHAR(50) );  
46  
47  
48 )  
49  
50 ● CREATE TABLE vehicle\_category ( category\_id INT PRIMARY KEY, category\_type VARCHAR(50) );  
51  
52  
53 )  
54  
55 ● CREATE TABLE product\_config ( config\_id INT PRIMARY KEY, product\_name VARCHAR(100), coverage\_type VARCHAR(20) CHECK (coverage\_type IN ('Comprehensive', 'TPL', 'Both')), base\_premium DECIMAL(10,2) );  
56  
57  
58  
59  
60 )  
61  
62 ● CREATE TABLE user\_personal\_info ( user\_id INT PRIMARY KEY, user\_type VARCHAR(50), first\_name VARCHAR(50), last\_name VARCHAR(50), gender VARCHAR(10) );  
63  
64  
65  
66  
67

Output

Action Output

#	Time	Action	Message	Duration / Fetch
17	00:49:57	CREATE TABLE premium_config ( premium_id INT PRIMARY KEY, config_id INT, tax_rate DECIMAL(15,2) )	0 row(s) affected	0.063 sec
18	00:49:59	CREATE TABLE premium_summary ( summary_id INT PRIMARY KEY, quote_id INT, base_premium DECIMAL(10,2) )	0 row(s) affected	0.031 sec
19	00:50:01	CREATE TABLE lov_data ( lov_id INT PRIMARY KEY, lov_type VARCHAR(100), lov_value VARCHAR(100) )	0 row(s) affected	0.032 sec

Object Info Session

28°C Mostly cloudy

ENG IN 12:51 AM 6/15/2025

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas Filter objects

Table Creation > Insert Queries Analysis Queries SQL File 14\*

```
CREATE TABLE login_user (
    login_id INT PRIMARY KEY,
    password VARCHAR(255),
    user_id INT,
    usertype VARCHAR(50) NOT NULL,
    status VARCHAR(10) CHECK (status IN ('active', 'inactive')),
    FOREIGN KEY (user_id) REFERENCES user_personal_info(user_id)
);

CREATE TABLE broker_info (
    broker_id INT PRIMARY KEY,
    broker_name VARCHAR(100),
    broker_org_name VARCHAR(100),
    address VARCHAR(150),
    status VARCHAR(10) CHECK (status IN ('active', 'inactive'))
);

CREATE TABLE quote_info (
    quote_id INT PRIMARY KEY,
    user_id INT,
    vehicle_id INT,
    config_id INT,
    quote_date DATE,
    final_premium DECIMAL(10,2),
    status VARCHAR(10) CHECK (status IN ('active', 'inactive')),
    FOREIGN KEY (user_id) REFERENCES user_personal_info(user_id),
    FOREIGN KEY (config_id) REFERENCES product_config(config_id)
);

CREATE TABLE premium_config (
    premium_id INT PRIMARY KEY,
    config_id INT,
    tax_rate DECIMAL(5,2),
    surcharge DECIMAL(5,2),
    FOREIGN KEY (config_id) REFERENCES product_config(config_id)
);

CREATE TABLE premium_summary (
    summary_id INT PRIMARY KEY,
    quote_id INT,
    base_premium DECIMAL(10,2),
    tax_amount DECIMAL(10,2),
    total_premium DECIMAL(10,2),
    FOREIGN KEY (quote_id) REFERENCES quote_info(quote_id)
);

CREATE TABLE lov_data (
    lov_id INT PRIMARY KEY,
    lov_type VARCHAR(100),
    lov_value VARCHAR(100)
);
```

No object selected

Object Info Session

28°C Mostly cloudy 12:51 AM 6/15/2025 ENG IN

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas Filter objects

Table Creation > Insert Queries Analysis Queries SQL File 14\*

```
CREATE TABLE login_user (
    login_id INT PRIMARY KEY,
    password VARCHAR(255),
    user_id INT,
    usertype VARCHAR(50) NOT NULL,
    status VARCHAR(10) CHECK (status IN ('active', 'inactive')),
    FOREIGN KEY (user_id) REFERENCES user_personal_info(user_id)
);

CREATE TABLE broker_info (
    broker_id INT PRIMARY KEY,
    broker_name VARCHAR(100),
    broker_org_name VARCHAR(100),
    address VARCHAR(150),
    status VARCHAR(10) CHECK (status IN ('active', 'inactive'))
);

CREATE TABLE quote_info (
    quote_id INT PRIMARY KEY,
    user_id INT,
    vehicle_id INT,
    config_id INT,
    quote_date DATE,
    final_premium DECIMAL(10,2),
    status VARCHAR(10) CHECK (status IN ('active', 'inactive')),
    FOREIGN KEY (user_id) REFERENCES user_personal_info(user_id),
    FOREIGN KEY (config_id) REFERENCES product_config(config_id)
);

CREATE TABLE premium_config (
    premium_id INT PRIMARY KEY,
    config_id INT,
    tax_rate DECIMAL(5,2),
    surcharge DECIMAL(5,2),
    FOREIGN KEY (config_id) REFERENCES product_config(config_id)
);

CREATE TABLE premium_summary (
    summary_id INT PRIMARY KEY,
    quote_id INT,
    base_premium DECIMAL(10,2),
    tax_amount DECIMAL(10,2),
    total_premium DECIMAL(10,2),
    FOREIGN KEY (quote_id) REFERENCES quote_info(quote_id)
);

CREATE TABLE lov_data (
    lov_id INT PRIMARY KEY,
    lov_type VARCHAR(100),
    lov_value VARCHAR(100)
);
```

No object selected

Object Info Session

28°C Mostly cloudy 12:51 AM 6/15/2025 ENG IN

## Insert Queries

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Table Creation\* Insert Queries Analysis Queries SQL File 14\*

Limit to 1000 rows

SCHEMAS

- besant
- college
- diva
- dk
- instragram
- portfolio
- project1
- xyz
- test
- toys
- walmart
- xyz

No object selected

```
-- INSERTS FOR vehicle_make
1 • INSERT INTO vehicle_make VALUES (1, 'Tata Motors', 'active');
2 • INSERT INTO vehicle_make VALUES (2, 'Mahindra & Mahindra', 'active');
3 • INSERT INTO vehicle_make VALUES (3, 'Maruti Suzuki', 'active');
4 • INSERT INTO vehicle_make VALUES (4, 'Hyundai India', 'active');
5 • INSERT INTO vehicle_make VALUES (5, 'Honda Cars India', 'inactive');
6 • INSERT INTO vehicle_make VALUES (6, 'Toyota India', 'active');
7 • INSERT INTO vehicle_make VALUES (7, 'Kia Motors', 'active');
8 • INSERT INTO vehicle_make VALUES (8, 'Renault India', 'inactive');
9 • INSERT INTO vehicle_make VALUES (9, 'Nissan India', 'active');
10 • INSERT INTO vehicle_make VALUES (10, 'Volkswagen India', 'inactive');
11 • INSERT INTO vehicle_make VALUES (11, 'Skoda India', 'active');
12 • INSERT INTO vehicle_make VALUES (12, 'MG Motor', 'active');
13 • INSERT INTO vehicle_make VALUES (13, 'Ford India', 'inactive');
14 • INSERT INTO vehicle_make VALUES (14, 'Isuzu India', 'active');
15 • INSERT INTO vehicle_make VALUES (15, 'Deep India', 'active');

-- INSERTS FOR vehicle_model
16 • INSERT INTO vehicle_model VALUES (1, 'Nexon', 1, 'active');
17 • INSERT INTO vehicle_model VALUES (2, 'Thar', 2, 'active');
18 • INSERT INTO vehicle_model VALUES (3, 'Swift', 3, 'active');
19 • INSERT INTO vehicle_model VALUES (4, 'Creta', 4, 'active');

-- INSERTS FOR premium_summary
20 • INSERT INTO premium_summary VALUES (2, 2, 3200.00, 400.00, 3600.00)
21 • INSERT INTO premium_summary VALUES (3, 3, 8000.00, 1200.00, 9200.00)
22 • INSERT INTO premium_summary VALUES (4, 4, 7000.00, 950.00, 7950.00)
23 • INSERT INTO premium_summary VALUES (5, 5, 2800.00, 560.00, 3360.00)
```

Output

Action	Time	Message	Duration / Fetch
146 00:57:09	INSERT INTO premium_summary VALUES (2, 2, 3200.00, 400.00, 3600.00)	1 row(s) affected	0.016 sec
147 00:57:09	INSERT INTO premium_summary VALUES (3, 3, 8000.00, 1200.00, 9200.00)	1 row(s) affected	0.000 sec
148 00:57:09	INSERT INTO premium_summary VALUES (4, 4, 7000.00, 950.00, 7950.00)	1 row(s) affected	0.000 sec
149 00:57:09	INSERT INTO premium_summary VALUES (5, 5, 2800.00, 560.00, 3360.00)	1 row(s) affected	0.000 sec

Object Info Session

Hot days ahead 28°C

ENG IN 12:57 AM 6/15/2025

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Table Creation\* Insert Queries Analysis Queries SQL File 14\*

Limit to 1000 rows

SCHEMAS

- besant
- college
- diva
- dk
- instragram
- portfolio
- project1
- xyz
- test
- toys
- walmart
- xyz

No object selected

```
-- INSERTS FOR vehicle_model
26 • INSERT INTO vehicle_model VALUES (10, 'Polo', 10, 'active');
27 • INSERT INTO vehicle_model VALUES (11, 'Rapid', 11, 'active');
28 • INSERT INTO vehicle_model VALUES (12, 'Hector', 12, 'inactive');
29 • INSERT INTO vehicle_model VALUES (13, 'EcoSport', 13, 'inactive');
30 • INSERT INTO vehicle_model VALUES (14, 'D-Max', 14, 'active');
31 • INSERT INTO vehicle_model VALUES (15, 'Compass', 15, 'active');

-- INSERTS FOR region
32 • INSERT INTO region VALUES (1, 'North');
33 • INSERT INTO region VALUES (2, 'South');
34 • INSERT INTO region VALUES (3, 'East');
35 • INSERT INTO region VALUES (4, 'West');

-- INSERTS FOR state
36 • INSERT INTO state VALUES (1, 'Tamil Nadu', 2);
37 • INSERT INTO state VALUES (2, 'Maharashtra', 4);
38 • INSERT INTO state VALUES (3, 'Delhi', 1);
39 • INSERT INTO state VALUES (4, 'Karnataka', 2);
40 • INSERT INTO state VALUES (5, 'West Bengal', 3);
41 • INSERT INTO state VALUES (6, 'Kerala', 2);
42 • INSERT INTO state VALUES (7, 'Uttar Pradesh', 1);

-- INSERTS FOR city
43 • INSERT INTO city VALUES (1, 'Chennai', 1, 1);
44 • INSERT INTO city VALUES (2, 'Mumbai', 2, 2);
45 • INSERT INTO city VALUES (3, 'Kolkata', 3, 3);
46 • INSERT INTO city VALUES (4, 'Bangalore', 4, 4);
47 • INSERT INTO city VALUES (5, 'Hyderabad', 5, 5);
48 • INSERT INTO city VALUES (6, 'Pune', 6, 6);
49 • INSERT INTO city VALUES (7, 'Delhi', 7, 7);
50 • INSERT INTO city VALUES (8, 'Noida', 8, 8);
51 • INSERT INTO city VALUES (9, 'Gurgaon', 9, 9);
52 • INSERT INTO city VALUES (10, 'Chandigarh', 10, 10);
53 • INSERT INTO city VALUES (11, 'Jaipur', 11, 11);
54 • INSERT INTO city VALUES (12, 'Bengaluru', 12, 12);
55 • INSERT INTO city VALUES (13, 'Visakhapatnam', 13, 13);
56 • INSERT INTO city VALUES (14, 'Mysore', 14, 14);
57 • INSERT INTO city VALUES (15, 'Kochi', 15, 15);
58 • INSERT INTO city VALUES (16, 'Panaji', 16, 16);
59 • INSERT INTO city VALUES (17, 'Kochi', 17, 17);
50 • INSERT INTO city VALUES (18, 'Chennai', 18, 18);
51 • INSERT INTO city VALUES (19, 'Mumbai', 19, 19);
52 • INSERT INTO city VALUES (20, 'Delhi', 20, 20);
53 • INSERT INTO city VALUES (21, 'Kolkata', 21, 21);
54 • INSERT INTO city VALUES (22, 'Bangalore', 22, 22);
55 • INSERT INTO city VALUES (23, 'Hyderabad', 23, 23);
56 • INSERT INTO city VALUES (24, 'Pune', 24, 24);
57 • INSERT INTO city VALUES (25, 'Noida', 25, 25);
58 • INSERT INTO city VALUES (26, 'Gurgaon', 26, 26);
59 • INSERT INTO city VALUES (27, 'Chandigarh', 27, 27);
60 • INSERT INTO city VALUES (28, 'Jaipur', 28, 28);
61 • INSERT INTO city VALUES (29, 'Bengaluru', 29, 29);
62 • INSERT INTO city VALUES (30, 'Visakhapatnam', 30, 30);
63 • INSERT INTO city VALUES (31, 'Mysore', 31, 31);
64 • INSERT INTO city VALUES (32, 'Kochi', 32, 32);
65 • INSERT INTO city VALUES (33, 'Panaji', 33, 33);
66 • INSERT INTO city VALUES (34, 'Kochi', 34, 34);
67 • INSERT INTO city VALUES (35, 'Chennai', 35, 35);
68 • INSERT INTO city VALUES (36, 'Mumbai', 36, 36);
69 • INSERT INTO city VALUES (37, 'Delhi', 37, 37);
70 • INSERT INTO city VALUES (38, 'Kolkata', 38, 38);
71 • INSERT INTO city VALUES (39, 'Bangalore', 39, 39);
72 • INSERT INTO city VALUES (40, 'Hyderabad', 40, 40);
73 • INSERT INTO city VALUES (41, 'Pune', 41, 41);
74 • INSERT INTO city VALUES (42, 'Noida', 42, 42);
75 • INSERT INTO city VALUES (43, 'Gurgaon', 43, 43);
76 • INSERT INTO city VALUES (44, 'Chandigarh', 44, 44);
77 • INSERT INTO city VALUES (45, 'Jaipur', 45, 45);
78 • INSERT INTO city VALUES (46, 'Bengaluru', 46, 46);
79 • INSERT INTO city VALUES (47, 'Visakhapatnam', 47, 47);
80 • INSERT INTO city VALUES (48, 'Mysore', 48, 48);
81 • INSERT INTO city VALUES (49, 'Kochi', 49, 49);
82 • INSERT INTO city VALUES (50, 'Panaji', 50, 50);
83 • INSERT INTO city VALUES (51, 'Kochi', 51, 51);
84 • INSERT INTO city VALUES (52, 'Chennai', 52, 52);
85 • INSERT INTO city VALUES (53, 'Mumbai', 53, 53);
86 • INSERT INTO city VALUES (54, 'Delhi', 54, 54);
87 • INSERT INTO city VALUES (55, 'Kolkata', 55, 55);
88 • INSERT INTO city VALUES (56, 'Bangalore', 56, 56);
89 • INSERT INTO city VALUES (57, 'Hyderabad', 57, 57);
90 • INSERT INTO city VALUES (58, 'Pune', 58, 58);
91 • INSERT INTO city VALUES (59, 'Noida', 59, 59);
92 • INSERT INTO city VALUES (60, 'Gurgaon', 60, 60);
93 • INSERT INTO city VALUES (61, 'Chandigarh', 61, 61);
94 • INSERT INTO city VALUES (62, 'Jaipur', 62, 62);
95 • INSERT INTO city VALUES (63, 'Bengaluru', 63, 63);
96 • INSERT INTO city VALUES (64, 'Visakhapatnam', 64, 64);
97 • INSERT INTO city VALUES (65, 'Mysore', 65, 65);
98 • INSERT INTO city VALUES (66, 'Kochi', 66, 66);
99 • INSERT INTO city VALUES (67, 'Panaji', 67, 67);
100 • INSERT INTO city VALUES (68, 'Kochi', 68, 68);
101 • INSERT INTO city VALUES (69, 'Chennai', 69, 69);
102 • INSERT INTO city VALUES (70, 'Mumbai', 70, 70);
103 • INSERT INTO city VALUES (71, 'Delhi', 71, 71);
104 • INSERT INTO city VALUES (72, 'Kolkata', 72, 72);
105 • INSERT INTO city VALUES (73, 'Bangalore', 73, 73);
106 • INSERT INTO city VALUES (74, 'Hyderabad', 74, 74);
107 • INSERT INTO city VALUES (75, 'Pune', 75, 75);
108 • INSERT INTO city VALUES (76, 'Noida', 76, 76);
109 • INSERT INTO city VALUES (77, 'Gurgaon', 77, 77);
110 • INSERT INTO city VALUES (78, 'Chandigarh', 78, 78);
111 • INSERT INTO city VALUES (79, 'Jaipur', 79, 79);
112 • INSERT INTO city VALUES (80, 'Bengaluru', 80, 80);
113 • INSERT INTO city VALUES (81, 'Visakhapatnam', 81, 81);
114 • INSERT INTO city VALUES (82, 'Mysore', 82, 82);
115 • INSERT INTO city VALUES (83, 'Kochi', 83, 83);
116 • INSERT INTO city VALUES (84, 'Panaji', 84, 84);
117 • INSERT INTO city VALUES (85, 'Kochi', 85, 85);
118 • INSERT INTO city VALUES (86, 'Chennai', 86, 86);
119 • INSERT INTO city VALUES (87, 'Mumbai', 87, 87);
120 • INSERT INTO city VALUES (88, 'Delhi', 88, 88);
121 • INSERT INTO city VALUES (89, 'Kolkata', 89, 89);
122 • INSERT INTO city VALUES (90, 'Bangalore', 90, 90);
123 • INSERT INTO city VALUES (91, 'Hyderabad', 91, 91);
124 • INSERT INTO city VALUES (92, 'Pune', 92, 92);
125 • INSERT INTO city VALUES (93, 'Noida', 93, 93);
126 • INSERT INTO city VALUES (94, 'Gurgaon', 94, 94);
127 • INSERT INTO city VALUES (95, 'Chandigarh', 95, 95);
128 • INSERT INTO city VALUES (96, 'Jaipur', 96, 96);
129 • INSERT INTO city VALUES (97, 'Bengaluru', 97, 97);
130 • INSERT INTO city VALUES (98, 'Visakhapatnam', 98, 98);
131 • INSERT INTO city VALUES (99, 'Mysore', 99, 99);
132 • INSERT INTO city VALUES (100, 'Kochi', 100, 100);
133 • INSERT INTO city VALUES (101, 'Panaji', 101, 101);
134 • INSERT INTO city VALUES (102, 'Kochi', 102, 102);
135 • INSERT INTO city VALUES (103, 'Chennai', 103, 103);
136 • INSERT INTO city VALUES (104, 'Mumbai', 104, 104);
137 • INSERT INTO city VALUES (105, 'Delhi', 105, 105);
138 • INSERT INTO city VALUES (106, 'Kolkata', 106, 106);
139 • INSERT INTO city VALUES (107, 'Bangalore', 107, 107);
140 • INSERT INTO city VALUES (108, 'Hyderabad', 108, 108);
141 • INSERT INTO city VALUES (109, 'Pune', 109, 109);
142 • INSERT INTO city VALUES (110, 'Noida', 110, 110);
143 • INSERT INTO city VALUES (111, 'Gurgaon', 111, 111);
144 • INSERT INTO city VALUES (112, 'Chandigarh', 112, 112);
145 • INSERT INTO city VALUES (113, 'Jaipur', 113, 113);
146 • INSERT INTO city VALUES (114, 'Bengaluru', 114, 114);
147 • INSERT INTO city VALUES (115, 'Visakhapatnam', 115, 115);
148 • INSERT INTO city VALUES (116, 'Mysore', 116, 116);
149 • INSERT INTO city VALUES (117, 'Kochi', 117, 117);
150 • INSERT INTO city VALUES (118, 'Panaji', 118, 118);
151 • INSERT INTO city VALUES (119, 'Kochi', 119, 119);
152 • INSERT INTO city VALUES (120, 'Chennai', 120, 120);
153 • INSERT INTO city VALUES (121, 'Mumbai', 121, 121);
154 • INSERT INTO city VALUES (122, 'Delhi', 122, 122);
155 • INSERT INTO city VALUES (123, 'Kolkata', 123, 123);
156 • INSERT INTO city VALUES (124, 'Bangalore', 124, 124);
157 • INSERT INTO city VALUES (125, 'Hyderabad', 125, 125);
158 • INSERT INTO city VALUES (126, 'Pune', 126, 126);
159 • INSERT INTO city VALUES (127, 'Noida', 127, 127);
160 • INSERT INTO city VALUES (128, 'Gurgaon', 128, 128);
161 • INSERT INTO city VALUES (129, 'Chandigarh', 129, 129);
162 • INSERT INTO city VALUES (130, 'Jaipur', 130, 130);
163 • INSERT INTO city VALUES (131, 'Bengaluru', 131, 131);
164 • INSERT INTO city VALUES (132, 'Visakhapatnam', 132, 132);
165 • INSERT INTO city VALUES (133, 'Mysore', 133, 133);
166 • INSERT INTO city VALUES (134, 'Kochi', 134, 134);
167 • INSERT INTO city VALUES (135, 'Panaji', 135, 135);
168 • INSERT INTO city VALUES (136, 'Kochi', 136, 136);
169 • INSERT INTO city VALUES (137, 'Chennai', 137, 137);
170 • INSERT INTO city VALUES (138, 'Mumbai', 138, 138);
171 • INSERT INTO city VALUES (139, 'Delhi', 139, 139);
172 • INSERT INTO city VALUES (140, 'Kolkata', 140, 140);
173 • INSERT INTO city VALUES (141, 'Bangalore', 141, 141);
174 • INSERT INTO city VALUES (142, 'Hyderabad', 142, 142);
175 • INSERT INTO city VALUES (143, 'Pune', 143, 143);
176 • INSERT INTO city VALUES (144, 'Noida', 144, 144);
177 • INSERT INTO city VALUES (145, 'Gurgaon', 145, 145);
178 • INSERT INTO city VALUES (146, 'Chandigarh', 146, 146);
179 • INSERT INTO city VALUES (147, 'Jaipur', 147, 147);
180 • INSERT INTO city VALUES (148, 'Bengaluru', 148, 148);
181 • INSERT INTO city VALUES (149, 'Visakhapatnam', 149, 149);
182 • INSERT INTO city VALUES (150, 'Mysore', 150, 150);
183 • INSERT INTO city VALUES (151, 'Kochi', 151, 151);
184 • INSERT INTO city VALUES (152, 'Panaji', 152, 152);
185 • INSERT INTO city VALUES (153, 'Kochi', 153, 153);
186 • INSERT INTO city VALUES (154, 'Chennai', 154, 154);
187 • INSERT INTO city VALUES (155, 'Mumbai', 155, 155);
188 • INSERT INTO city VALUES (156, 'Delhi', 156, 156);
189 • INSERT INTO city VALUES (157, 'Kolkata', 157, 157);
190 • INSERT INTO city VALUES (158, 'Bangalore', 158, 158);
191 • INSERT INTO city VALUES (159, 'Hyderabad', 159, 159);
192 • INSERT INTO city VALUES (160, 'Pune', 160, 160);
193 • INSERT INTO city VALUES (161, 'Noida', 161, 161);
194 • INSERT INTO city VALUES (162, 'Gurgaon', 162, 162);
195 • INSERT INTO city VALUES (163, 'Chandigarh', 163, 163);
196 • INSERT INTO city VALUES (164, 'Jaipur', 164, 164);
197 • INSERT INTO city VALUES (165, 'Bengaluru', 165, 165);
198 • INSERT INTO city VALUES (166, 'Visakhapatnam', 166, 166);
199 • INSERT INTO city VALUES (167, 'Mysore', 167, 167);
200 • INSERT INTO city VALUES (168, 'Kochi', 168, 168);
201 • INSERT INTO city VALUES (169, 'Panaji', 169, 169);
202 • INSERT INTO city VALUES (170, 'Kochi', 170, 170);
203 • INSERT INTO city VALUES (171, 'Chennai', 171, 171);
204 • INSERT INTO city VALUES (172, 'Mumbai', 172, 172);
205 • INSERT INTO city VALUES (173, 'Delhi', 173, 173);
206 • INSERT INTO city VALUES (174, 'Kolkata', 174, 174);
207 • INSERT INTO city VALUES (175, 'Bangalore', 175, 175);
208 • INSERT INTO city VALUES (176, 'Hyderabad', 176, 176);
209 • INSERT INTO city VALUES (177, 'Pune', 177, 177);
210 • INSERT INTO city VALUES (178, 'Noida', 178, 178);
211 • INSERT INTO city VALUES (179, 'Gurgaon', 179, 179);
212 • INSERT INTO city VALUES (180, 'Chandigarh', 180, 180);
213 • INSERT INTO city VALUES (181, 'Jaipur', 181, 181);
214 • INSERT INTO city VALUES (182, 'Bengaluru', 182, 182);
215 • INSERT INTO city VALUES (183, 'Visakhapatnam', 183, 183);
216 • INSERT INTO city VALUES (184, 'Mysore', 184, 184);
217 • INSERT INTO city VALUES (185, 'Kochi', 185, 185);
218 • INSERT INTO city VALUES (186, 'Panaji', 186, 186);
219 • INSERT INTO city VALUES (187, 'Kochi', 187, 187);
220 • INSERT INTO city VALUES (188, 'Chennai', 188, 188);
221 • INSERT INTO city VALUES (189, 'Mumbai', 189, 189);
222 • INSERT INTO city VALUES (190, 'Delhi', 190, 190);
223 • INSERT INTO city VALUES (191, 'Kolkata', 191, 191);
224 • INSERT INTO city VALUES (192, 'Bangalore', 192, 192);
225 • INSERT INTO city VALUES (193, 'Hyderabad', 193, 193);
226 • INSERT INTO city VALUES (194, 'Pune', 194, 194);
227 • INSERT INTO city VALUES (195, 'Noida', 195, 195);
228 • INSERT INTO city VALUES (196, 'Gurgaon', 196, 196);
229 • INSERT INTO city VALUES (197, 'Chandigarh', 197, 197);
220 • INSERT INTO city VALUES (198, 'Jaipur', 198, 198);
221 • INSERT INTO city VALUES (199, 'Bengaluru', 199, 199);
222 • INSERT INTO city VALUES (200, 'Visakhapatnam', 200, 200);
223 • INSERT INTO city VALUES (201, 'Mysore', 201, 201);
224 • INSERT INTO city VALUES (202, 'Kochi', 202, 202);
225 • INSERT INTO city VALUES (203, 'Panaji', 203, 203);
226 • INSERT INTO city VALUES (204, 'Kochi', 204, 204);
227 • INSERT INTO city VALUES (205, 'Chennai', 205, 205);
228 • INSERT INTO city VALUES (206, 'Mumbai', 206, 206);
229 • INSERT INTO city VALUES (207, 'Delhi', 207, 207);
230 • INSERT INTO city VALUES (208, 'Kolkata', 208, 208);
231 • INSERT INTO city VALUES (209, 'Bangalore', 209, 209);
232 • INSERT INTO city VALUES (210, 'Hyderabad', 210, 210);
233 • INSERT INTO city VALUES (211, 'Pune', 211, 211);
234 • INSERT INTO city VALUES (212, 'Noida', 212, 212);
235 • INSERT INTO city VALUES (213, 'Gurgaon', 213, 213);
236 • INSERT INTO city VALUES (214, 'Chandigarh', 214, 214);
237 • INSERT INTO city VALUES (215, 'Jaipur', 215, 215);
238 • INSERT INTO city VALUES (216, 'Bengaluru', 216, 216);
239 • INSERT INTO city VALUES (217, 'Visakhapatnam', 217, 217);
240 • INSERT INTO city VALUES (218, 'Mysore', 218, 218);
241 • INSERT INTO city VALUES (219, 'Kochi', 219, 219);
242 • INSERT INTO city VALUES (220, 'Panaji', 220, 220);
243 • INSERT INTO city VALUES (221, 'Kochi', 221, 221);
244 • INSERT INTO city VALUES (222, 'Chennai', 222, 222);
245 • INSERT INTO city VALUES (223, 'Mumbai', 223, 223);
246 • INSERT INTO city VALUES (224, 'Delhi', 224, 224);
247 • INSERT INTO city VALUES (225, 'Kolkata', 225, 225);
248 • INSERT INTO city VALUES (226, 'Bangalore', 226, 226);
249 • INSERT INTO city VALUES (227, 'Hyderabad', 227, 227);
250 • INSERT INTO city VALUES (228, 'Pune', 228, 228);
251 • INSERT INTO city VALUES (229, 'Noida', 229, 229);
252 • INSERT INTO city VALUES (230, 'Gurgaon', 230, 230);
253 • INSERT INTO city VALUES (234, 'Chandigarh', 234, 234);
254 • INSERT INTO city VALUES (235, 'Jaipur', 235, 235);
255 • INSERT INTO city VALUES (236, 'Bengaluru', 236, 236);
256 • INSERT INTO city VALUES (237, 'Visakhapatnam', 237, 237);
257 • INSERT INTO city VALUES (238, 'Mysore', 238, 238);
258 • INSERT INTO city VALUES (239, 'Kochi', 239, 239);
259 • INSERT INTO city VALUES (240, 'Panaji', 240, 240);
260 • INSERT INTO city VALUES (241, 'Kochi', 241, 241);
261 • INSERT INTO city VALUES (242, 'Chennai', 242, 242);
262 • INSERT INTO city VALUES (243, 'Mumbai', 243, 243);
263 • INSERT INTO city VALUES (244, 'Delhi', 244, 244);
264 • INSERT INTO city VALUES (245, 'Kolkata', 245, 245);
265 • INSERT INTO city VALUES (246, 'Bangalore', 246, 246);
266 • INSERT INTO city VALUES (247, 'Hyderabad', 247, 247);
267 • INSERT INTO city VALUES (248, 'Pune', 248, 248);
268 • INSERT INTO city VALUES (249, 'Noida', 249, 249);
269 • INSERT INTO city VALUES (250, 'Gurgaon', 250, 250);
270 • INSERT INTO city VALUES (251, 'Chandigarh', 251, 251);
271 • INSERT INTO city VALUES (252, 'Jaipur', 252, 252);
272 • INSERT INTO city VALUES (253, 'Bengaluru', 253, 253);
273 • INSERT INTO city VALUES (254, 'Visakhapatnam', 254, 254);
274 • INSERT INTO city VALUES (255, 'Mysore', 255, 255);
275 • INSERT INTO city VALUES (256, 'Kochi', 256, 256);
276 • INSERT INTO city VALUES (257, 'Panaji', 257, 257);
277 • INSERT INTO city VALUES (258, 'Kochi', 258, 258);
278 • INSERT INTO city VALUES (259, 'Chennai', 259, 259);
279 • INSERT INTO city VALUES (260, 'Mumbai', 260, 260);
280 • INSERT INTO city VALUES (261, 'Delhi', 261, 261);
281 • INSERT INTO city VALUES (262, 'Kolkata', 262, 262);
282 • INSERT INTO city VALUES (263, 'Bangalore', 263, 263);
283 • INSERT INTO city VALUES (264, 'Hyderabad', 264, 264);
284 • INSERT INTO city VALUES (265, 'Pune', 265, 265);
285 • INSERT INTO city VALUES (266, 'Noida', 266, 266);
286 • INSERT INTO city VALUES (267, 'Gurgaon', 267, 267);
287 • INSERT INTO city VALUES (268, 'Chandigarh', 268, 268);
288 • INSERT INTO city VALUES (269, 'Jaipur', 269, 269);
289 • INSERT INTO city VALUES (270, 'Bengaluru', 270, 270);
290 • INSERT INTO city VALUES (271, 'Visakhapatnam', 271, 271);
291 • INSERT INTO city VALUES (272, 'Mysore', 272, 272);
292 • INSERT INTO city VALUES (273, 'Kochi', 273, 273);
293 • INSERT INTO city VALUES (274, 'Panaji', 274, 274);
294 • INSERT INTO city VALUES (275, 'Kochi', 275, 275);
295 • INSERT INTO city VALUES (276, 'Chennai', 276, 276);
296 • INSERT INTO city VALUES (277, 'Mumbai', 277, 277);
297 • INSERT INTO city VALUES (278, 'Delhi', 278, 278);
298 • INSERT INTO city VALUES (279, 'Kolkata', 279, 279);
299 • INSERT INTO city VALUES (280, 'Bangalore', 280, 280);
300 • INSERT INTO city VALUES (281, 'Hyderabad', 281, 281);
301 • INSERT INTO city VALUES (282, 'Pune', 282, 282);
302 • INSERT INTO city VALUES (283, 'Noida', 283, 283);
303 • INSERT INTO city VALUES (284, 'Gurgaon', 284, 284);
304 • INSERT INTO city VALUES (285, 'Chandigarh', 285, 285);
305 • INSERT INTO city VALUES (286, 'Jaipur', 286, 286);
306 • INSERT INTO city VALUES (287, 'Bengaluru', 287, 287);
307 • INSERT INTO city VALUES (288, 'Visakhapatnam', 288, 288);
308 • INSERT INTO city VALUES (289, 'Mysore', 289, 289);
309 • INSERT INTO city VALUES (290, 'Kochi', 290, 290);
310 • INSERT INTO city VALUES (291, 'Panaji', 291, 291);
311 • INSERT INTO city VALUES (292, 'Kochi', 292, 292);
312 • INSERT INTO city VALUES (293, 'Chennai', 293, 293);
313 • INSERT INTO city VALUES (294, 'Mumbai', 294, 294);
314 • INSERT INTO city VALUES (295, 'Delhi', 295, 295);
315 • INSERT INTO city VALUES (296, 'Kolkata', 296, 296);
316 • INSERT INTO city VALUES (297, 'Bangalore', 297, 297);
317 • INSERT INTO city VALUES (298, 'Hyderabad', 298, 298);
318 • INSERT INTO city VALUES (299, 'Pune', 299, 299);
319 • INSERT INTO city VALUES (300, 'Noida', 300, 300);
320 • INSERT INTO city VALUES (301, 'Gurgaon', 301, 301);
321 • INSERT INTO city VALUES (302, 'Chandigarh', 302, 302);
322 • INSERT INTO city VALUES (303, 'Jaipur', 303, 303);
323 • INSERT INTO city VALUES (304, 'Bengaluru', 304, 304);
324 • INSERT INTO city VALUES (305, 'Visakhapatnam', 305, 305);
325 • INSERT INTO city VALUES (306, 'Mysore', 306, 306);
326 • INSERT INTO city VALUES (307, 'Kochi', 307, 307);
327 • INSERT INTO city VALUES (308, 'Panaji', 308, 308);
328 • INSERT INTO city VALUES (309, 'Kochi', 309, 309);
329 • INSERT INTO city VALUES (310, 'Chennai', 310, 310);
330 • INSERT INTO city VALUES (311, 'Mumbai', 311, 311);
331 • INSERT INTO city VALUES (312, 'Delhi', 312, 312);
332 • INSERT INTO city VALUES (313, 'Kolkata', 313, 313);
333 • INSERT INTO city VALUES (314, 'Bangalore', 314, 314);
334 • INSERT INTO city VALUES (315, 'Hyderabad', 315, 315);
335 • INSERT INTO city VALUES (316, 'Pune', 316, 316);
336 • INSERT INTO city VALUES (317, 'Noida', 317, 317);
337 • INSERT INTO city VALUES (318, 'Gurgaon', 318, 318);
338 • INSERT INTO city VALUES (319, 'Chandigarh', 319, 319);
339 • INSERT INTO city VALUES (320, 'Jaipur', 320, 320);
340 • INSERT INTO city VALUES (321, 'Bengaluru', 321, 321);
341 • INSERT INTO city VALUES (322, 'Visakhapatnam', 322, 322);
342 • INSERT INTO city VALUES (323, 'Mysore', 323, 323);
343 • INSERT INTO city VALUES (324, 'Kochi', 324, 324);
344 • INSERT INTO city VALUES (325, 'Panaji', 325, 325);
345 • INSERT INTO city VALUES (326, 'Kochi', 326, 326);
346 • INSERT INTO city VALUES (327, 'Chennai', 327, 327);
347 • INSERT INTO city VALUES (328, 'Mumbai', 328, 328);
348 • INSERT INTO city VALUES (329, 'Delhi', 329, 329);
349 • INSERT INTO city VALUES (330, 'Kolkata', 330, 330);
350 • INSERT INTO city VALUES (331, 'Bangalore', 331, 331);
351 • INSERT INTO city VALUES (332, 'Hyderabad', 332, 332);
352 • INSERT INTO city VALUES (333, 'Pune', 333, 333);
353 • INSERT INTO city VALUES (334, 'Noida', 334, 334);
354 • INSERT INTO city VALUES (335, 'Gurgaon', 335, 335);
355 • INSERT INTO city VALUES (336, 'Chandigarh', 336, 336);
356 • INSERT INTO city VALUES (337, 'Jaipur', 337, 337);
357 • INSERT INTO city VALUES (338, 'Bengaluru', 338, 338);
358 • INSERT INTO city VALUES (339, 'Visakhapatnam', 339, 339);
359 • INSERT INTO city VALUES (340, 'Mysore', 340, 340);
360 • INSERT INTO city VALUES (341, 'Kochi', 341, 341);
361 • INSERT INTO city VALUES (342, 'Panaji', 342, 342);
362 • INSERT INTO city VALUES (343, 'Kochi', 343, 343);
363 • INSERT INTO city VALUES (344, 'Chennai', 344, 344);
364 • INSERT INTO city VALUES (345, 'Mumbai', 345, 345);
365 • INSERT INTO city VALUES (346, 'Delhi', 346, 346);
366 • INSERT INTO city VALUES (347, 'Kolkata', 347, 347);
367 • INSERT INTO city VALUES (348, 'Bangalore', 348, 348);
368 • INSERT INTO city VALUES (349, 'Hyderabad', 349, 349);
369 • INSERT INTO city VALUES (350, 'Pune', 350, 350);
370 • INSERT INTO city VALUES (351, 'Noida', 351, 351);
371 • INSERT INTO city VALUES (352, 'Gurgaon', 352, 352);
372 • INSERT INTO city VALUES (353, 'Chandigarh', 353, 353);
373 • INSERT INTO city VALUES (354, 'Jaipur', 354, 354);
374 • INSERT INTO city VALUES (355, 'Bengaluru', 355, 355);
375 • INSERT INTO city VALUES (356, 'Visakhapatnam', 356, 356);
376 • INSERT INTO city VALUES (357, 'Mysore', 357, 357);
377 • INSERT INTO city VALUES (358, 'Kochi', 358, 358);
378 • INSERT INTO city VALUES (359, 'Panaji', 359, 359);
379 • INSERT INTO city VALUES (360, 'Kochi', 360, 360);
380 • INSERT INTO city VALUES (361, 'Chennai', 361, 361);
381 • INSERT INTO city VALUES (362, 'Mumbai', 362, 362);
382 • INSERT INTO city VALUES (363, 'Delhi', 363, 363);
383 • INSERT INTO city VALUES (364, 'Kolkata', 364, 364);
384 • INSERT INTO city VALUES (365, 'Bangalore', 365, 365);
385 • INSERT INTO city VALUES (366, 'Hyderabad', 366, 366);
386 • INSERT INTO city VALUES (367, 'Pune
```

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Table Creation\* Insert Queries Analysis Queries SQL File 14\*

No object selected

```
-- INSERTS FOR city
58 • INSERT INTO city VALUES (1, 'Chennai', 1);
59 • INSERT INTO city VALUES (2, 'Mumbai', 2);
60 • INSERT INTO city VALUES (3, 'Delhi', 3);
61 • INSERT INTO city VALUES (4, 'Bangalore', 4);
62 • INSERT INTO city VALUES (5, 'Kolkata', 5);
63 • INSERT INTO city VALUES (6, 'Kochi', 6);
64 • INSERT INTO city VALUES (7, 'Lucknow', 7);
65 • INSERT INTO city VALUES (8, 'Patna', 8);
66 • INSERT INTO city VALUES (9, 'Ahmedabad', 9);
67 • INSERT INTO city VALUES (10, 'Jaipur', 10);
68 • INSERT INTO city VALUES (11, 'Aurangabad', 11);
69 • INSERT INTO city VALUES (12, 'Gurgaon', 12);
70 • INSERT INTO city VALUES (13, 'Vijayawada', 13);
71 • INSERT INTO city VALUES (14, 'Bhubaneswar', 14);

-- INSERTS FOR vehicle_color
72 • INSERT INTO vehicle_color VALUES (1, 'Red');
73 • INSERT INTO vehicle_color VALUES (2, 'Blue');
74 • INSERT INTO vehicle_color VALUES (3, 'Green');
75 • INSERT INTO vehicle_color VALUES (4, 'Black');

-- INSERTS FOR vehicle_body
76 • INSERT INTO vehicle_body VALUES (1, 'Sedan');
77 • INSERT INTO vehicle_body VALUES (2, 'SUV');
78 • INSERT INTO vehicle_body VALUES (3, 'Hatchback');
79 • INSERT INTO vehicle_body VALUES (4, 'Convertible');
80 • INSERT INTO vehicle_body VALUES (5, 'Coupe');

-- INSERTS FOR vehicle_category
81 • INSERT INTO vehicle_category VALUES (1, 'Private');
82 • INSERT INTO vehicle_category VALUES (2, 'Commercial');
83 • INSERT INTO vehicle_category VALUES (3, 'Luxury');
84 • INSERT INTO vehicle_category VALUES (4, 'Transport');
85 • INSERT INTO vehicle_category VALUES (5, 'Tourist');

-- INSERTS FOR product_config
86 • INSERT INTO product_config VALUES (1, 'Standard Plan', 'Comprehensive', 4500.00);
87 • INSERT INTO product_config VALUES (2, 'Economy Plan', 'TPL', 3200.00);
88 • INSERT INTO product_config VALUES (3, 'Premium Plan', 'Both', 8000.00);
89 • INSERT INTO product_config VALUES (4, 'Urban Plus', 'Comprehensive', 7000.00);
90 • INSERT INTO product_config VALUES (5, 'Rural Saver', 'TPL', 2800.00);

-- INSERTS FOR lov_data
91 •
```

Action Output

#	Time	Action	Message	Duration / Fetch
146	00:57:09	INSERT INTO premium_summary VALUES (2, 3200.00, 400.00, 3600.00)	1 row(s) affected	0.016 sec
147	00:57:09	INSERT INTO premium_summary VALUES (3, 8000.00, 1200.00, 9200.00)	1 row(s) affected	0.000 sec
148	00:57:09	INSERT INTO premium_summary VALUES (4, 7000.00, 950.00, 7950.00)	1 row(s) affected	0.000 sec
149	00:57:09	INSERT INTO premium_summary VALUES (5, 2800.00, 560.00, 3360.00)	1 row(s) affected	0.000 sec

Object Info Session

Hot days ahead 28°C

ENG IN 12:58 AM 6/15/2025

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Table Creation\* Insert Queries Analysis Queries SQL File 14\*

No object selected

```
-- INSERTS FOR city
82 • INSERT INTO city VALUES (1, 'Chennai', 1);
83 • INSERT INTO city VALUES (2, 'Mumbai', 2);
84 • INSERT INTO city VALUES (3, 'Delhi', 3);
85 • INSERT INTO city VALUES (4, 'Bangalore', 4);
86 • INSERT INTO city VALUES (5, 'Kolkata', 5);
87 • INSERT INTO city VALUES (6, 'Kochi', 6);
88 • INSERT INTO city VALUES (7, 'Lucknow', 7);
89 • INSERT INTO city VALUES (8, 'Patna', 8);
90 • INSERT INTO city VALUES (9, 'Ahmedabad', 9);
91 • INSERT INTO city VALUES (10, 'Jaipur', 10);
92 • INSERT INTO city VALUES (11, 'Aurangabad', 11);
93 • INSERT INTO city VALUES (12, 'Gurgaon', 12);
94 • INSERT INTO city VALUES (13, 'Vijayawada', 13);
95 • INSERT INTO city VALUES (14, 'Bhubaneswar', 14);

-- INSERTS FOR vehicle_color
96 • INSERT INTO vehicle_color VALUES (1, 'Red');
97 • INSERT INTO vehicle_color VALUES (2, 'Blue');
98 • INSERT INTO vehicle_color VALUES (3, 'Green');
99 • INSERT INTO vehicle_color VALUES (4, 'Black');

-- INSERTS FOR vehicle_body
100 • INSERT INTO vehicle_body VALUES (1, 'Sedan');
101 • INSERT INTO vehicle_body VALUES (2, 'SUV');
102 • INSERT INTO vehicle_body VALUES (3, 'Hatchback');
103 • INSERT INTO vehicle_body VALUES (4, 'Convertible');
104 • INSERT INTO vehicle_body VALUES (5, 'Coupe');

-- INSERTS FOR vehicle_category
105 • INSERT INTO vehicle_category VALUES (1, 'Private');
106 • INSERT INTO vehicle_category VALUES (2, 'Commercial');
107 • INSERT INTO vehicle_category VALUES (3, 'Luxury');
108 • INSERT INTO vehicle_category VALUES (4, 'Transport');
109 • INSERT INTO vehicle_category VALUES (5, 'Tourist');

-- INSERTS FOR product_config
110 • INSERT INTO product_config VALUES (1, 'Standard Plan', 'Comprehensive', 4500.00);
111 • INSERT INTO product_config VALUES (2, 'Economy Plan', 'TPL', 3200.00);
112 • INSERT INTO product_config VALUES (3, 'Premium Plan', 'Both', 8000.00);
113 • INSERT INTO product_config VALUES (4, 'Urban Plus', 'Comprehensive', 7000.00);
114 • INSERT INTO product_config VALUES (5, 'Rural Saver', 'TPL', 2800.00);

-- INSERTS FOR lov_data
115 •
```

Action Output

#	Time	Action	Message	Duration / Fetch
146	00:57:09	INSERT INTO premium_summary VALUES (2, 3200.00, 400.00, 3600.00)	1 row(s) affected	0.016 sec
147	00:57:09	INSERT INTO premium_summary VALUES (3, 8000.00, 1200.00, 9200.00)	1 row(s) affected	0.000 sec
148	00:57:09	INSERT INTO premium_summary VALUES (4, 7000.00, 950.00, 7950.00)	1 row(s) affected	0.000 sec
149	00:57:09	INSERT INTO premium_summary VALUES (5, 2800.00, 560.00, 3360.00)	1 row(s) affected	0.000 sec

Object Info Session

Hot days ahead 28°C

ENG IN 12:58 AM 6/15/2025

The screenshot shows the MySQL Workbench interface with the following details:

- Top Bar:** File, Edit, View, Query, Database, Server, Tools, Scripting, Help.
- Left Sidebar (Navigator):** Schemas (including besant, college, dava, dk, instagram, portfolio, project1, sys, test, toy1, walmart, xyz), Administration (Schemas, Information), and No object selected.
- Central Area (Table Creation):** A SQL editor window titled "Table Creation" with tabs for Insert Queries and SQL File 14\*. The SQL code is as follows:

```
124 -- INSERTS FOR login_user
125 • INSERT INTO login_user VALUES (1, 'pass1234', 1, 'Customer', 'active');
126 • INSERT INTO login_user VALUES (2, 'pass2345', 2, 'Customer', 'active');
127 • INSERT INTO login_user VALUES (3, 'pass3456', 3, 'Customer', 'inactive');
128 • INSERT INTO login_user VALUES (4, 'pass4567', 4, 'Customer', 'active');
129 • INSERT INTO login_user VALUES (5, 'pass5678', 5, 'Customer', 'active');
130 • INSERT INTO login_user VALUES (6, 'pass6789', 1, 'Customer', 'active');
131 • INSERT INTO login_user VALUES (7, 'pass7890', 2, 'Customer', 'active');
132 • INSERT INTO login_user VALUES (8, 'pass8901', 3, 'Customer', 'inactive');
133 • INSERT INTO login_user VALUES (9, 'pass9012', 4, 'Customer', 'active');
134 • INSERT INTO login_user VALUES (10, 'pass0123', 5, 'Customer', 'active');
135
136 -- INSERTS FOR broker_info
137 • INSERT INTO broker_info VALUES (1, 'Suresh Babu', 'SecureBrokers Pvt Ltd', '181 GST Road, Chennai', 'active');
138 • INSERT INTO broker_info VALUES (2, 'Priya Mehta', 'Shield Insurance', '55 Mariman Point, Mumbai', 'active');
139 • INSERT INTO broker_info VALUES (3, 'Alok Reddy', 'CoverSure India', '78 Brigade Road, Bangalore', 'inactive');
140 • INSERT INTO broker_info VALUES (4, 'Olivia Kapoor', 'MaxPolicy Agency', '78 CP Circle, Delhi', 'active');
141 • INSERT INTO broker_info VALUES (5, 'Rajan Desai', 'TrustBrokers LLP', '16 CG Road, Ahmedabad', 'active');
142
143 -- INSERTS FOR quote_info
144 • INSERT INTO quote_info VALUES (1, 1, 1, 1, '2024-06-01', 5200.00, 'active');
145 • INSERT INTO quote_info VALUES (2, 2, 3, 2, '2024-06-03', 3480.00, 'active');
```

- Bottom Area (Output):** Action Output table showing the results of the executed queries:

#	Time	Action	Message	Duration / Fetch
146	00:57:09	INSERT INTO premium_summary VALUES (2, 2, 3200.00, 400.00, 3600.00)	1 row(s) affected	0.016 sec
147	00:57:09	INSERT INTO premium_summary VALUES (3, 3, 8000.00, 1200.00, 9200.00)	1 row(s) affected	0.000 sec
148	00:57:09	INSERT INTO premium_summary VALUES (4, 4, 7000.00, 950.00, 7950.00)	1 row(s) affected	0.000 sec
149	00:57:09	INSERT INTO premium_summary VALUES (5, 5, 2800.00, 560.00, 3360.00)	1 row(s) affected	0.000 sec

MySQL Workbench

Schemas: besant, college, diva, ed, instagram, portfolio, project1, sys, test, toys, walmart, xyz

No object selected

Table Creation Insert Queries Analysis Queries SQL File 14\*

```

142
143 -- INSERTS FOR quote_info
144 • INSERT INTO quote_info VALUES (1, 1, 1, 1, '2024-06-01', 5200.00, 'active');
145 • INSERT INTO quote_info VALUES (2, 2, 3, 2, '2024-06-03', 3400.00, 'active');
146 • INSERT INTO quote_info VALUES (3, 3, 5, 3, '2024-06-05', 7900.00, 'inactive');
147 • INSERT INTO quote_info VALUES (4, 4, 7, 4, '2024-06-07', 7100.00, 'active');
148 • INSERT INTO quote_info VALUES (5, 5, 9, 5, '2024-06-09', 2950.00, 'active');

149 -- INSERTS FOR premium_config
150 • INSERT INTO premium_config VALUES (1, 1, 10.0, 2.5);
151 • INSERT INTO premium_config VALUES (2, 2, 12.5, 1.5);
152 • INSERT INTO premium_config VALUES (3, 3, 15.0, 3.0);
153 • INSERT INTO premium_config VALUES (4, 4, 18.0, 2.0);
154 • INSERT INTO premium_config VALUES (5, 5, 20.0, 1.0);

155 -- INSERTS FOR premium_summary
156
157 -- INSERTS FOR premium_summary
158 • INSERT INTO premium_summary VALUES (1, 1, 2500.00, 810.00, 5310.00);
159 • INSERT INTO premium_summary VALUES (2, 2, 3200.00, 400.00, 3600.00);
160 • INSERT INTO premium_summary VALUES (3, 3, 4000.00, 1200.00, 9200.00);
161 • INSERT INTO premium_summary VALUES (4, 4, 7000.00, 950.00, 7950.00);
162 • INSERT INTO premium_summary VALUES (5, 5, 2800.00, 560.00, 3360.00);

163

```

Action Output

#	Time	Action	Message	Duration / Fetch
146	00:57:09	INSERT INTO premium_summary VALUES (2, 2, 3200.00, 400.00, 3600.00)	1 row(s) affected	0.016 sec
147	00:57:09	INSERT INTO premium_summary VALUES (3, 3, 4000.00, 1200.00, 9200.00)	1 row(s) affected	0.000 sec
148	00:57:09	INSERT INTO premium_summary VALUES (4, 4, 7000.00, 950.00, 7950.00)	1 row(s) affected	0.000 sec
149	00:57:09	INSERT INTO premium_summary VALUES (5, 5, 2800.00, 560.00, 3360.00)	1 row(s) affected	0.000 sec

Object Info Session

Hot days ahead 28°C

12:58 AM IN 6/15/2025

## 5. SQL Queries & Insights

### List of All Active Customers

MySQL Workbench

Schemas: besant, college, diva, ed, instagram, portfolio, project1, sys, test, toys, walmart, xyz

No object selected

Table Creation Insert Queries Analysis Queries SQL File 14\*

```

1 -- 1. List all active customers
2 SELECT first_name, last_name, email FROM user_personal_info WHERE status = 'active';

```

Result Grid

first_name	last_name	email
Ravi	Kumar	ravi.kumar@example.com
Anjali	Verma	anjali.verma@example.com
Neha	Sharma	neha.sharma@example.com
Amit	Patel	amit.patel@example.com
Deepa	Joshi	deepa.joshi@example.com
Rahul	Mishra	rahul.mishra@example.com
Aryun	Deshmukh	aryun.deshmukh@example.com
Meena	Pillai	meena.pillai@example.com

personal\_info\_1.x

Action Output

#	Time	Action	Message	Duration / Fetch
147	00:57:09	INSERT INTO premium_summary VALUES (3, 3, 8000.00, 1200.00, 9200.00)	1 row(s) affected	0.000 sec
148	00:57:09	INSERT INTO premium_summary VALUES (4, 4, 7000.00, 950.00, 7950.00)	1 row(s) affected	0.000 sec
149	00:57:09	INSERT INTO premium_summary VALUES (5, 5, 2800.00, 560.00, 3360.00)	1 row(s) affected	0.000 sec
150	00:59:29	SELECT first_name, last_name, email FROM user_personal_info WHERE status = 'active' LIMIT 0, 1000	8 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Hot days ahead 28°C

12:59 AM IN 6/15/2025

## Vehicle Models by a Specific Make

The screenshot shows the MySQL Workbench interface. In the top navigation bar, the 'Query' tab is selected. Below it, the 'Schemas' pane lists several databases: besant, college, diva, dk, instagram, portfolio, project, sys, test, toys, walmart, and xyz. The main workspace displays a SQL query:

```
-- 2. Fetch vehicle models by a specific make
SELECT
    vm.model_desc
FROM
    vehicle_model vm
    JOIN
    vehicle_make vmk ON vm.make_id = vmk.make_id
WHERE
    vmk.make_desc = 'Tata Motors'
```

The results grid shows one row: model\_desc (Nexon). The bottom pane, 'Result 2', shows the execution log with five entries. The status bar at the bottom right indicates the date as 6/15/2025 and the time as 10:00 AM.

## Active Brokers

The screenshot shows the MySQL Workbench interface. In the top navigation bar, the 'Query' tab is selected. Below it, the 'Schemas' pane lists several databases: besant, college, diva, dk, instagram, portfolio, project, sys, test, toys, walmart, and xyz. The main workspace displays a SQL query:

```
-- 3. Show all brokers operating in active status
SELECT broker_name, broker_org_name FROM broker_info WHERE status = 'active'
```

The results grid shows four rows: Suresh Babu (SecureBrokers Pvt Ltd), Priya Mehta (Shield Insurance), Divya Kapoor (MaxPolicy Agency), and Rajan Desai (TrustBrokers LLP). The bottom pane, 'broker\_info 3', shows the execution log with five entries. The status bar at the bottom right indicates the date as 6/15/2025 and the time as 10:01 AM.

## Quotes for a Specific User

The screenshot shows the MySQL Workbench interface. In the top navigation bar, the 'Analysis Queries' tab is selected. The SQL editor contains the following query:

```
-- 4. List all quotes for a particular user
SELECT quote_id, final_premium, quote_date FROM quote_info WHERE user_id = 1;
```

The results grid displays one row of data:

quote_id	final_premium	quote_date
152	\$200.00	2024-06-01

The status bar at the bottom right shows the date as 6/15/2025 and the time as 102 AM.

## Total Premium Paid by Each User

The screenshot shows the MySQL Workbench interface. In the top navigation bar, the 'Analysis Queries' tab is selected. The SQL editor contains the following query:

```
-- 5. Get total premium paid by each user
SELECT up.user_id, up.first_name, SUM(ps.total_premium) AS total_paid
FROM premium_summary ps
JOIN quote_info q1 ON q1.quote_id = ps.quote_id
JOIN user_personal_info up ON q1.user_id = up.user_id
GROUP BY up.user_id;
```

The results grid displays five rows of data:

user_id	first_name	total_paid
1	Ravi	\$310.00
2	Anjali	\$600.00
3	Vikram	\$9200.00
4	Neha	\$7950.00
5	Anit	\$3660.00

The status bar at the bottom right shows the date as 6/15/2025 and the time as 103 AM.

## Inactive Vehicle Models

The screenshot shows the MySQL Workbench interface. In the top navigation bar, the 'Analysis Queries' tab is selected. Below it, a code editor window displays the following SQL query:

```
-- 6. Find vehicles with inactive models
SELECT vm.model_desc FROM vehicle_model vm WHERE status = 'inactive'
```

The results are shown in a 'Result Grid' table:

model_desc
City
Magnite
Hector
EcoSport

At the bottom of the interface, there is a 'Session' status bar showing the date and time.

## Average Premium per Coverage Type

The screenshot shows the MySQL Workbench interface. In the top navigation bar, the 'Analysis Queries' tab is selected. Below it, a code editor window displays the following SQL query:

```
-- 7. Get average premium for each plan type
SELECT coverage_type, AVG(base_premium) AS avg_base
FROM product_config
GROUP BY coverage_type;
```

The results are shown in a 'Result Grid' table:

coverage_type	avg_base
Comprehensive	5790.000000
TPL	3000.000000
Both	8000.000000

At the bottom of the interface, there is a 'Session' status bar showing the date and time.

## Users with Their City and State

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:`-- 8. List all users with their city and state
SELECT u.first_name, u.last_name, c.city_name, s.state_name
FROM user_personal_info u
JOIN city c ON u.city_id = c.city_id
JOIN state s ON u.state_id = s.state_id`

The result grid displays the following data:

first_name	last_name	city_name	state_name
Ravi	Kumar	Chennai	Tamil Nadu
Anjali	Verma	Kolkata	West Bengal
Vikram	Singh	Bangalore	Karnataka
Neha	Sharma	Delhi	
Amit	Patel	Ahmedabad	Gujarat
Deepa	Joshi	Lucknow	Uttar Pradesh
Rahul	Mohra	Bangalore	Karnataka
Sneha	Menon	Kochi	Kerala
Arjun	Deshmukh	Mumbai	Maharashtra
Meena	Pillai	Kochi	Kerala

The status bar at the bottom shows the date and time as 6/15/2025 11:00 AM.

## Users Who Paid Above-Average Premium

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:`-- 9. Users Who Paid Above-Average Premium
SELECT first_name, last_name
FROM user_personal_info
WHERE user_id IN (
 SELECT q1.user_id
 FROM quote_info q1
 JOIN premium_summary ps ON q1.quote_id = ps.quote_id
 GROUP BY q1.user_id
 HAVING SUM(ps.total_premium) > (
 SELECT AVG(total_premium) FROM premium_summary
 )
)`

The result grid displays the following data:

first_name	last_name
Vikram	Singh
Neha	Sharma

The status bar at the bottom shows the date and time as 6/15/2025 11:11 AM.

## Model and Make Combinations

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
-- 10. List models along with their make
SELECT
    vm.model_desc, vmk.make_desc
FROM
    vehicle_model vm
JOIN
    vehicle_make vmk
ON
    vm.make_id = vmk.make_id;
```

The result grid displays the following data:

model_desc	make_desc
Nexon	Tata Motors
Thar	Mahindra & Mahindra
Swift	Maruti Suzuki
Creta	Hyundai India
Cv2	Honda Cars India
Innova	Toyota Inde
Seltos	Kia Motors
Kivid	Renault India
Magnite	Nissan India
Polo	Volkswagen India
Rapid	Skoda India
Hector	MG Motor
EcoSport	Ford India
D-Max	Izuzu India
Compass	Jeep India

The status bar at the bottom shows the system is 29°C, Partly cloudy, and the time is 11:2 AM on 6/15/2025.

## Top 3 Users with Highest Premium

The screenshot shows the MySQL Workbench interface with a query editor window. The query is:

```
-- 11. Find top 3 users with highest total premium
SELECT up.first_name, SUM(ps.total_premium) AS total_premium
FROM premium_summary ps
JOIN quote_info q1 ON q1.quote_id = ps.quote_id
JOIN user_personal_info up ON q1.user_id = up.user_id
GROUP BY up.user_id
ORDER BY total_premium DESC
LIMIT 3;
```

The result grid displays the following data:

first_name	total_premium
Vikram	9200.00
Neha	7950.00
Ravi	5310.00

The status bar at the bottom shows the system is 29°C, Hot days ahead, and the time is 11:3 AM on 6/15/2025.

## Quotes with Final Premium

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```
-- 12 List all quotes along with product config
SELECT q.quote_id, q.final_premium, pc.product_name
FROM quote_info q
JOIN product_config pc ON q.config_id = pc.config_id;
```

The results grid displays the following data:

quote_id	final_premium	product_name
1	5200.00	Standard Plan
2	3400.00	Economy Plan
3	7900.00	Premium Plan
4	7300.00	Urban Plus
5	2950.00	Rural Saver

The status bar at the bottom shows "Hot days ahead 29°C".

## City with the Highest Number of Users

The screenshot shows the MySQL Workbench interface with a query editor and a results grid. The query is:

```
-- 13.City with the Highest Number of Users
SELECT c.city_name, COUNT(u.user_id) AS user_count
FROM user_personal_info u
JOIN city c ON u.city = c.city_id
GROUP BY c.city_name
ORDER BY user_count DESC
LIMIT 1;
```

The results grid displays the following data:

city_name	user_count
Bangalore	2

The status bar at the bottom shows "Hot days ahead 29°C".

## Procedure: Get quotes by user id

The screenshot shows the MySQL Workbench interface. In the top navigation bar, the 'Analysis Queries' tab is selected. The main pane displays the SQL code for a stored procedure named 'GetQuotesByUser'. The procedure takes a user ID as input and selects quote details from a table. Below the code, a result grid shows one row of data: quote\_id 5, final\_premium 2950.00, and quote\_date 2024-06-09. The bottom pane shows the execution history with four entries, all completed successfully.

```
-- 14. Procedure: Get all quotes by user
DELIMITER //
CREATE PROCEDURE GetQuotesByUser(IN uid INT)
BEGIN
    SELECT quote_id, final_premium, quote_date FROM quote_info WHERE user_id = uid;
END //
DELIMITER ;
CALL GetQuotesByUser(5);
```

quote_id	final_premium	quote_date
5	2950.00	2024-06-09

```
# Time Action Message Duration / Fetch
163 01:15:32 SELECT c.city_name, COUNT(u.user_id) AS user_count FROM user_personal_info u JOIN city c ON u.city = c.id; 1 row(s) returned 0.000 sec / 0.000 sec
164 01:17:00 CREATE PROCEDURE GetQuotesByUser(IN uid INT) BEGIN SELECT quote_id, final_premium, quote_date... 0 rows affected 0.015 sec
165 01:17:03 CALL GetQuotesByUser(5) 1 row(s) returned 0.000 sec / 0.000 sec
166 01:17:07 CALL GetQuotesByUser(5) 1 row(s) returned 0.016 sec / 0.000 sec
```

## Function: Calculate premium with tax

The screenshot shows the MySQL Workbench interface. In the top navigation bar, the 'Analysis Queries' tab is selected. The main pane displays the SQL code for a function named 'CalculateTotalPremium'. The function takes a base premium and a tax rate as inputs and returns the total premium. Below the code, a result grid shows one row of data: Total\_Premium 5900.00. The bottom pane shows the execution history with five entries, all completed successfully.

```
-- 15. Function: Calculate premium with tax
DELIMITER //
CREATE FUNCTION CalculateTotalPremium(base DECIMAL(10,2), tax DECIMAL(5,2))
RETURNS DECIMAL(10,2)
DETERMINISTIC
BEGIN
    RETURN base + (base * tax / 100);
END //
DELIMITER ;
SELECT CalculateTotalPremium(5000.00, 18.0) as Total_Premium;
```

Total_Premium
5900.00

```
# Time Action Message Duration / Fetch
166 01:17:07 CALL GetQuotesByUser(5) 1 row(s) returned 0.016 sec / 0.000 sec
167 01:18:38 CREATE FUNCTION CalculateTotalPremium(base DECIMAL(10,2), tax DECIMAL(5,2)) RETURNS DECIMAL(10,2) DETERMINISTIC 0 rows affected 0.016 sec
168 01:18:41 SELECT CalculateTotalPremium(5000.00, 18.0) LIMIT 0, 1000 1 row(s) returned 0.016 sec / 0.000 sec
169 01:19:01 SELECT CalculateTotalPremium(5000.00, 18.0) as Total_Premium LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec
```

## 6. Conclusion

This SQL project demonstrates the creation and analysis of a comprehensive vehicle insurance database. It showcases schema design, data population, and analytical querying to derive valuable insights.

## 7. Appendix

### Table Creation

```
CREATE DATABASE insurance;
```

```
use insurance;
```

```
CREATE TABLE vehicle_make (
    make_id INT PRIMARY KEY,
    make_desc VARCHAR(100) NOT NULL,
    status VARCHAR(10) CHECK (status IN ('active', 'inactive'))
);
```

```
CREATE TABLE vehicle_model (
    model_id INT PRIMARY KEY,
    model_desc VARCHAR(100) NOT NULL,
    make_id INT,
    status VARCHAR(10) CHECK (status IN ('active', 'inactive')),
    FOREIGN KEY (make_id) REFERENCES vehicle_make(make_id)
);
```

```
CREATE TABLE region (
    region_id INT PRIMARY KEY,
```

```
        region_name VARCHAR(100)
    );
}

CREATE TABLE state (
    state_id INT PRIMARY KEY,
    state_name VARCHAR(100),
    region_id INT,
    FOREIGN KEY (region_id) REFERENCES region(region_id)
);

CREATE TABLE city (
    city_id INT PRIMARY KEY,
    city_name VARCHAR(100),
    state_id INT,
    FOREIGN KEY (state_id) REFERENCES state(state_id)
);

CREATE TABLE vehicle_color (
    color_id INT PRIMARY KEY,
    color_name VARCHAR(50)
);
```

```
CREATE TABLE vehicle_body (
    body_id INT PRIMARY KEY,
    body_type VARCHAR(50)
);
```

```
CREATE TABLE vehicle_category (
    category_id INT PRIMARY KEY,
    category_type VARCHAR(50)
);
```

```
CREATE TABLE product_config (
    config_id INT PRIMARY KEY,
    product_name VARCHAR(100),
    coverage_type VARCHAR(20) CHECK (coverage_type IN ('Comprehensive', 'TPL',
    'Both')),
    base_premium DECIMAL(10,2)
);
```

```
CREATE TABLE user_personal_info (
    user_id INT PRIMARY KEY,
    usertype VARCHAR(50),
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    gender VARCHAR(10),
    dob DATE NOT NULL,
```

```
email VARCHAR(100) NOT NULL,  
phone VARCHAR(20) NOT NULL,  
addr1 VARCHAR(100),  
city INT,  
state INT,  
country INT,  
national_id BIGINT NOT NULL,  
nationality INT NOT NULL,  
status VARCHAR(10) CHECK (status IN ('active', 'inactive'))  
);
```

```
CREATE TABLE login_user (  
login_id INT PRIMARY KEY,  
password VARCHAR(255),  
user_id INT,  
usertype VARCHAR(50) NOT NULL,  
status VARCHAR(10) CHECK (status IN ('active', 'inactive')),  
FOREIGN KEY (user_id) REFERENCES user_personal_info(user_id)  
);
```

```
CREATE TABLE broker_info (  
broker_id INT PRIMARY KEY,  
broker_name VARCHAR(100),  
broker_org_name VARCHAR(100),  
address VARCHAR(150),
```

```
    status VARCHAR(10) CHECK (status IN ('active', 'inactive'))  
);
```

```
CREATE TABLE quote_info (  
    quote_id INT PRIMARY KEY,  
    user_id INT,  
    vehicle_id INT,  
    config_id INT,  
    quote_date DATE,  
    final_premium DECIMAL(10,2),  
    status VARCHAR(10) CHECK (status IN ('active', 'inactive')),  
    FOREIGN KEY (user_id) REFERENCES user_personal_info(user_id),  
    FOREIGN KEY (config_id) REFERENCES product_config(config_id)  
);
```

```
CREATE TABLE premium_config (  
    premium_id INT PRIMARY KEY,  
    config_id INT,  
    tax_rate DECIMAL(5,2),  
    surcharge DECIMAL(5,2),  
    FOREIGN KEY (config_id) REFERENCES product_config(config_id)  
);
```

```
CREATE TABLE premium_summary (  
    summary_id INT PRIMARY KEY,
```

```
        quote_id INT,  
        base_premium DECIMAL(10,2),  
        tax_amount DECIMAL(10,2),  
        total_premium DECIMAL(10,2),  
        FOREIGN KEY (quote_id) REFERENCES quote_info(quote_id)  
    );
```

```
CREATE TABLE lov_data (  
    lov_id INT PRIMARY KEY,  
    lov_type VARCHAR(100),  
    lov_value VARCHAR(100)  
);
```

## Insert Queries

```
-- INSERTS FOR vehicle_make  
  
INSERT INTO vehicle_make VALUES (1, 'Tata Motors', 'active');  
  
INSERT INTO vehicle_make VALUES (2, 'Mahindra & Mahindra', 'active');  
  
INSERT INTO vehicle_make VALUES (3, 'Maruti Suzuki', 'active');  
  
INSERT INTO vehicle_make VALUES (4, 'Hyundai India', 'active');  
  
INSERT INTO vehicle_make VALUES (5, 'Honda Cars India', 'inactive');  
  
INSERT INTO vehicle_make VALUES (6, 'Toyota India', 'active');  
  
INSERT INTO vehicle_make VALUES (7, 'Kia Motors', 'active');  
  
INSERT INTO vehicle_make VALUES (8, 'Renault India', 'inactive');  
  
INSERT INTO vehicle_make VALUES (9, 'Nissan India', 'active');
```

```
INSERT INTO vehicle_make VALUES (10, 'Volkswagen India', 'inactive');

INSERT INTO vehicle_make VALUES (11, 'Skoda India', 'active');

INSERT INTO vehicle_make VALUES (12, 'MG Motor', 'active');

INSERT INTO vehicle_make VALUES (13, 'Ford India', 'inactive');

INSERT INTO vehicle_make VALUES (14, 'Isuzu India', 'active');

INSERT INTO vehicle_make VALUES (15, 'Jeep India', 'active');
```

-- INSERTS FOR vehicle\_model

```
INSERT INTO vehicle_model VALUES (1, 'Nexon', 1, 'active');

INSERT INTO vehicle_model VALUES (2, 'Thar', 2, 'active');

INSERT INTO vehicle_model VALUES (3, 'Swift', 3, 'active');

INSERT INTO vehicle_model VALUES (4, 'Creta', 4, 'active');

INSERT INTO vehicle_model VALUES (5, 'City', 5, 'inactive');

INSERT INTO vehicle_model VALUES (6, 'Innova', 6, 'active');

INSERT INTO vehicle_model VALUES (7, 'Seltos', 7, 'active');

INSERT INTO vehicle_model VALUES (8, 'Kwid', 8, 'active');

INSERT INTO vehicle_model VALUES (9, 'Magnite', 9, 'inactive');

INSERT INTO vehicle_model VALUES (10, 'Polo', 10, 'active');

INSERT INTO vehicle_model VALUES (11, 'Rapid', 11, 'active');

INSERT INTO vehicle_model VALUES (12, 'Hector', 12, 'inactive');

INSERT INTO vehicle_model VALUES (13, 'EcoSport', 13, 'inactive');

INSERT INTO vehicle_model VALUES (14, 'D-Max', 14, 'active');

INSERT INTO vehicle_model VALUES (15, 'Compass', 15, 'active');
```

-- INSERTS FOR region

```
INSERT INTO region VALUES (1, 'North');
```

```
INSERT INTO region VALUES (2, 'South');
```

```
INSERT INTO region VALUES (3, 'East');
```

```
INSERT INTO region VALUES (4, 'West');
```

```
-- INSERTS FOR state
```

```
INSERT INTO state VALUES (1, 'Tamil Nadu', 2);
```

```
INSERT INTO state VALUES (2, 'Maharashtra', 4);
```

```
INSERT INTO state VALUES (3, 'Delhi', 1);
```

```
INSERT INTO state VALUES (4, 'Karnataka', 2);
```

```
INSERT INTO state VALUES (5, 'West Bengal', 3);
```

```
INSERT INTO state VALUES (6, 'Kerala', 2);
```

```
INSERT INTO state VALUES (7, 'Uttar Pradesh', 1);
```

```
INSERT INTO state VALUES (8, 'Bihar', 3);
```

```
INSERT INTO state VALUES (9, 'Gujarat', 4);
```

```
INSERT INTO state VALUES (10, 'Rajasthan', 1);
```

```
INSERT INTO state VALUES (11, 'Punjab', 1);
```

```
INSERT INTO state VALUES (12, 'Haryana', 1);
```

```
INSERT INTO state VALUES (13, 'Andhra Pradesh', 2);
```

```
INSERT INTO state VALUES (14, 'Odisha', 3);
```

```
-- INSERTS FOR city
```

```
INSERT INTO city VALUES (1, 'Chennai', 1);
```

```
INSERT INTO city VALUES (2, 'Mumbai', 2);
```

```
INSERT INTO city VALUES (3, 'Delhi', 3);
INSERT INTO city VALUES (4, 'Bangalore', 4);
INSERT INTO city VALUES (5, 'Kolkata', 5);
INSERT INTO city VALUES (6, 'Kochi', 6);
INSERT INTO city VALUES (7, 'Lucknow', 7);
INSERT INTO city VALUES (8, 'Patna', 8);
INSERT INTO city VALUES (9, 'Ahmedabad', 9);
INSERT INTO city VALUES (10, 'Jaipur', 10);
INSERT INTO city VALUES (11, 'Amritsar', 11);
INSERT INTO city VALUES (12, 'Gurgaon', 12);
INSERT INTO city VALUES (13, 'Vijayawada', 13);
INSERT INTO city VALUES (14, 'Bhubaneswar', 14);
```

-- INSERTS FOR vehicle\_color

```
INSERT INTO vehicle_color VALUES (1, 'Red');
INSERT INTO vehicle_color VALUES (2, 'Blue');
INSERT INTO vehicle_color VALUES (3, 'Green');
INSERT INTO vehicle_color VALUES (4, 'Black');
INSERT INTO vehicle_color VALUES (5, 'White');
```

-- INSERTS FOR vehicle\_body

```
INSERT INTO vehicle_body VALUES (1, 'Sedan');
INSERT INTO vehicle_body VALUES (2, 'SUV');
INSERT INTO vehicle_body VALUES (3, 'Hatchback');
```

```
INSERT INTO vehicle_body VALUES (4, 'Convertible');
```

```
INSERT INTO vehicle_body VALUES (5, 'Coupe');
```

```
-- INSERTS FOR vehicle_category
```

```
INSERT INTO vehicle_category VALUES (1, 'Private');
```

```
INSERT INTO vehicle_category VALUES (2, 'Commercial');
```

```
INSERT INTO vehicle_category VALUES (3, 'Luxury');
```

```
INSERT INTO vehicle_category VALUES (4, 'Transport');
```

```
INSERT INTO vehicle_category VALUES (5, 'Tourist');
```

```
-- INSERTS FOR product_config
```

```
INSERT INTO product_config VALUES (1, 'Standard Plan', 'Comprehensive', 4500.00);
```

```
INSERT INTO product_config VALUES (2, 'Economy Plan', 'TPL', 3200.00);
```

```
INSERT INTO product_config VALUES (3, 'Premium Plan', 'Both', 8000.00);
```

```
INSERT INTO product_config VALUES (4, 'Urban Plus', 'Comprehensive', 7000.00);
```

```
INSERT INTO product_config VALUES (5, 'Rural Saver', 'TPL', 2800.00);
```

```
-- INSERTS FOR lov_data
```

```
INSERT INTO lov_data VALUES (1, 'MaritalStatus', 'Single');
```

```
INSERT INTO lov_data VALUES (2, 'MaritalStatus', 'Married');
```

```
INSERT INTO lov_data VALUES (3, 'Education', 'Graduate');
```

```
INSERT INTO lov_data VALUES (4, 'Education', 'Post-Graduate');
```

```
INSERT INTO lov_data VALUES (5, 'Education', 'Diploma');
```

-- INSERTS FOR user\_personal\_info

```
INSERT INTO user_personal_info VALUES (1, 'Customer', 'Ravi', 'Kumar', 'Male',  
'1995-06-15', 'ravi.kumar@example.com', '9876543210', '12 MG Road, Chennai', 1,  
1, 1, 123456789012, 1, 'active');
```

```
INSERT INTO user_personal_info VALUES (2, 'Customer', 'Anjali', 'Verma', 'Female',  
'1990-02-20', 'anjali.verma@example.com', '9876543211', '88 Park Street, Kolkata',  
5, 5, 1, 234567890123, 1, 'active');
```

```
INSERT INTO user_personal_info VALUES (3, 'Customer', 'Vikram', 'Singh', 'Male',  
'1988-09-10', 'vikram.singh@example.com', '9876543212', '22 Residency Rd,  
Bangalore', 4, 4, 1, 345678901234, 1, 'inactive');
```

```
INSERT INTO user_personal_info VALUES (4, 'Customer', 'Neha', 'Sharma', 'Female',  
'1993-12-05', 'neha.sharma@example.com', '9876543213', '44 MI Lane, Delhi', 3, 3,  
1, 456789012345, 1, 'active');
```

```
INSERT INTO user_personal_info VALUES (5, 'Customer', 'Amit', 'Patel', 'Male',  
'1992-03-11', 'amit.patel@example.com', '9876543214', '20 Ring Road,  
Ahmedabad', 9, 9, 1, 567890123456, 1, 'active');
```

```
INSERT INTO user_personal_info VALUES (6, 'Customer', 'Deepa', 'Joshi', 'Female',  
'1987-07-19', 'deepa.joshi@example.com', '9876543215', '32 Sector 18, Noida', 7, 7,  
1, 678901234567, 1, 'active');
```

```
INSERT INTO user_personal_info VALUES (7, 'Customer', 'Rahul', 'Mishra', 'Male',  
'1991-01-25', 'rahul.mishra@example.com', '9876543216', '70 Rajaji Nagar,  
Bengaluru', 4, 4, 1, 789012345678, 1, 'active');
```

```
INSERT INTO user_personal_info VALUES (8, 'Customer', 'Sneha', 'Menon', 'Female',  
'1985-04-22', 'sneha.menon@example.com', '9876543217', '11 MG Road, Kochi', 6,  
6, 1, 890123456789, 1, 'inactive');
```

```
INSERT INTO user_personal_info VALUES (9, 'Customer', 'Arjun', 'Deshmukh', 'Male',  
'1994-11-08', 'arjun.deshmukh@example.com', '9876543218', '25 Andheri East,  
Mumbai', 2, 2, 1, 901234567890, 1, 'active');
```

```
INSERT INTO user_personal_info VALUES (10, 'Customer', 'Meena', 'Pillai', 'Female',  
'1996-08-30', 'meena.pillai@example.com', '9876543219', '17 Kowdiar,  
Thiruvananthapuram', 6, 6, 1, 912345678901, 1, 'active');
```

```
-- INSERTS FOR login_user
```

```
INSERT INTO login_user VALUES (1, 'pass1234', 1, 'Customer', 'active');  
INSERT INTO login_user VALUES (2, 'pass2345', 2, 'Customer', 'active');  
INSERT INTO login_user VALUES (3, 'pass3456', 3, 'Customer', 'inactive');  
INSERT INTO login_user VALUES (4, 'pass4567', 4, 'Customer', 'active');  
INSERT INTO login_user VALUES (5, 'pass5678', 5, 'Customer', 'active');  
INSERT INTO login_user VALUES (6, 'pass6789', 1, 'Customer', 'active');  
INSERT INTO login_user VALUES (7, 'pass7890', 2, 'Customer', 'active');  
INSERT INTO login_user VALUES (8, 'pass8901', 3, 'Customer', 'inactive');  
INSERT INTO login_user VALUES (9, 'pass9012', 4, 'Customer', 'active');  
INSERT INTO login_user VALUES (10, 'pass0123', 5, 'Customer', 'active');
```

```
-- INSERTS FOR broker_info
```

```
INSERT INTO broker_info VALUES (1, 'Suresh Babu', 'SecureBrokers Pvt Ltd', '101  
GST Road, Chennai', 'active');  
INSERT INTO broker_info VALUES (2, 'Priya Mehta', 'Shield Insurance', '55 Nariman  
Point, Mumbai', 'active');  
INSERT INTO broker_info VALUES (3, 'Alok Reddy', 'CoverSure India', '78 Brigade  
Road, Bangalore', 'inactive');  
INSERT INTO broker_info VALUES (4, 'Divya Kapoor', 'MaxPolicy Agency', '19 CP  
Circle, Delhi', 'active');  
INSERT INTO broker_info VALUES (5, 'Rajan Desai', 'TrustBrokers LLP', '16 CG Road,  
Ahmedabad', 'active');
```

```
-- INSERTS FOR quote_info
```

```
INSERT INTO quote_info VALUES (1, 1, 1, 1, '2024-06-01', 5200.00, 'active');  
INSERT INTO quote_info VALUES (2, 2, 3, 2, '2024-06-03', 3400.00, 'active');  
INSERT INTO quote_info VALUES (3, 3, 5, 3, '2024-06-05', 7900.00, 'inactive');  
INSERT INTO quote_info VALUES (4, 4, 7, 4, '2024-06-07', 7100.00, 'active');  
INSERT INTO quote_info VALUES (5, 5, 9, 5, '2024-06-09', 2950.00, 'active');
```

```
-- INSERTS FOR premium_config
```

```
INSERT INTO premium_config VALUES (1, 1, 18.0, 2.5);  
INSERT INTO premium_config VALUES (2, 2, 12.5, 1.5);  
INSERT INTO premium_config VALUES (3, 3, 15.0, 3.0);  
INSERT INTO premium_config VALUES (4, 4, 10.0, 2.0);  
INSERT INTO premium_config VALUES (5, 5, 8.0, 1.0);
```

```
-- INSERTS FOR premium_summary
```

```
INSERT INTO premium_summary VALUES (1, 1, 4500.00, 810.00, 5310.00);  
INSERT INTO premium_summary VALUES (2, 2, 3200.00, 400.00, 3600.00);  
INSERT INTO premium_summary VALUES (3, 3, 8000.00, 1200.00, 9200.00);  
INSERT INTO premium_summary VALUES (4, 4, 7000.00, 950.00, 7950.00);  
INSERT INTO premium_summary VALUES (5, 5, 2800.00, 560.00, 3360.00);
```

## **Analysis Queries**

-- USE CASE QUERIES

-- 1. List all active customers

```
SELECT first_name, last_name, email FROM user_personal_info WHERE status = 'active';
```

-- 2. Fetch vehicle models by a specific make

```
SELECT vm.model_desc FROM vehicle_model vm JOIN vehicle_make vmk ON vm.make_id = vmk.make_id WHERE vmk.make_desc = 'Tata Motors';
```

-- 3. Show all brokers operating in active status

```
SELECT broker_name, broker_org_name FROM broker_info WHERE status = 'active';
```

-- 4. List all quotes for a particular user

```
SELECT quote_id, final_premium, quote_date FROM quote_info WHERE user_id = 1;
```

-- 5. Get total premium paid by each user

```
SELECT up.user_id, up.first_name, SUM(ps.total_premium) AS total_paid  
FROM premium_summary ps  
JOIN quote_info qi ON qi.quote_id = ps.quote_id  
JOIN user_personal_info up ON qi.user_id = up.user_id  
GROUP BY up.user_id;
```

-- 6. Find vehicles with inactive models

```
SELECT vm.model_desc FROM vehicle_model vm WHERE status = 'inactive';
```

-- 7. Get average premium for each plan type

```
SELECT coverage_type, AVG(base_premium) AS avg_base  
FROM product_config  
GROUP BY coverage_type;
```

-- 8. List all users with their city and state

```
SELECT u.first_name, u.last_name, c.city_name, s.state_name  
FROM user_personal_info u  
JOIN city c ON u.city = c.city_id  
JOIN state s ON u.state = s.state_id;
```

-- 9. Users Who Paid Above-Average Premium

```
SELECT first_name, last_name  
FROM user_personal_info  
WHERE user_id IN (  
    SELECT qi.user_id  
    FROM quote_info qi  
    JOIN premium_summary ps ON qi.quote_id = ps.quote_id  
    GROUP BY qi.user_id  
    HAVING SUM(ps.total_premium) > (  
        SELECT AVG(total_premium) FROM premium_summary
```

```
)  
);
```

-- 10. List models along with their make

```
SELECT vm.model_desc, vmk.make_desc FROM vehicle_model vm JOIN vehicle_make  
vmk ON vm.make_id = vmk.make_id;
```

-- 11. Find top 3 users with highest total premium

```
SELECT up.first_name, SUM(ps.total_premium) AS total_premium  
FROM premium_summary ps  
JOIN quote_info qi ON qi.quote_id = ps.quote_id  
JOIN user_personal_info up ON qi.user_id = up.user_id  
GROUP BY up.user_id  
ORDER BY total_premium DESC  
LIMIT 3;
```

-- 12 List all quotes along with product config

```
SELECT q.quote_id, q.final_premium, pc.product_name  
FROM quote_info q  
JOIN product_config pc ON q.config_id = pc.config_id;
```

-- 13. City with the Highest Number of Users

```
SELECT c.city_name, COUNT(u.user_id) AS user_count  
FROM user_personal_info u
```

```
JOIN city c ON u.city = c.city_id  
GROUP BY c.city_name  
ORDER BY user_count DESC  
LIMIT 1;
```

-- 14. Procedure: Get all quotes by user

```
DELIMITER //  
  
CREATE PROCEDURE GetQuotesByUser(IN uid INT)  
  
BEGIN  
  
    SELECT quote_id, final_premium, quote_date FROM quote_info WHERE user_id =  
    uid;  
  
END //  
  
DELIMITER ;
```

```
CALL GetQuotesByUser(5);
```

-- 15. Function: Calculate premium with tax

```
DELIMITER //  
  
CREATE FUNCTION CalculateTotalPremium(base DECIMAL(10,2), tax  
DECIMAL(5,2))  
  
RETURNS DECIMAL(10,2)  
  
DETERMINISTIC  
  
BEGIN  
  
    RETURN base + (base * tax / 100);
```

END //

DELIMITER ;

SELECT CalculateTotalPremium(5000.00, 18.0);