

## MOTOR INSURANCE REPORT

### USER REQUIREMENTS:

#### 1. List of all active makes from the Make table?

```
select * from make where status='active';
```

MAKE_ID	MAKE_DESC	STATUS
1	Toyota	active
2	Honda	active
3	Ford	active
4	Chevrolet	active
5	Nissan	active
6	BMW	active
7	Mercedes-Benz	active
8	Audi	active
9	Hyundai	active
10	Kia	active

#### 2. Find all models linked to a specific Make (e.g., Make\_id=1)?

```
select model_desc from model where make_id=1;
```

MODEL_DESC
Camry
Corolla

#### 3. Retrieve all personal information for users with a specific nationality (e.g., 'Indian').

```
select * from personal_info where nationality='Indian';
```

USER_ID	USERTYPE	FIRST_NAME	LAST_NAME	GENDER	DOB	EMAIL	MATITAL_STATUS	EDUCATION	PHONE	MOBILE	ADD1	ADD2	ADD3	STREET
3	User	David	Lee	Male	10-11-75	david.lee@email.com	Married	Bachelor	555-7890	555-7777	789 Pine Rd	(null)	(null)	Pine Rd

#### 4. Find the full name of all users in a specific city (e.g., New York)?

```
select first_name || ' ' || last_name as full_name from personal_info where city= 'New York';
```

FULL_NAME
John Doe

## 5.Display models and their associated make descriptions using a join?

```
select m.model_desc,mk.make_desc from model m join make mk on m.make_id=mk.make_id;
```

MODEL_DESC	MAKE_DESC
Camry	Toyota
Corolla	Toyota
Civic	Honda
Accord	Honda
Mustang	Ford
F-150	Ford
Silverado	Chevrolet
Equinox	Chevrolet
Altima	Nissan
Rogue	Nissan

## 6.Retrieve brokers whose contact information includes the word ‘in’?

```
select broker_name,contact_info from broker where lower(contact_info) like '%in%';
```

BROKER_NAME	CONTACT_INFO
David Lee	789 Pine Rd, Suite 300, Anytown, CA 12345Phone: 555-7890Email: david.l...
Emily White	201 Pine Rd, Suite 700, Anytown, CA 12345Phone: 555-6789Email: emily.w...
Amanda Black	432 Main St, Suite 900, Anytown, CA 12345Phone: 555-5678Email: amanda....

## 7.Find the total number of active model under each make?

```
select mk.make_desc,count(m.model_id) as active_models from make mk  
join model m on mk.make_id=m.make_id  
where m.status='active' group by mk.make_desc;
```

MAKE_DESC	ACTIVE_MODELS
Tesla	2
MINI	2
Subaru	2
Lexus	2
Land Rover	2
BMW	2

### 8. List users whose email domains are 'email.com'?

```
select first_name, last_name, email from personal_info where email like '%email.com%';
```

FIRST_NAME	LAST_NAME	EMAIL
John	Doe	john.doe@email.com
Jane	Smith	jane.smith@email.com
David	Lee	david.lee@email.com
Michael	Brown	michael.brown@email.com
Emily	Davis	emily.davis@email.com
Christopher	Jones	christopher.jones@email.com
Sarah	Williams	sarah.williams@email.com
Daniel	Brown	daniel.brown@email.com
Amanda	Jones	amanda.jones@email.com

### 9. Display the number of brokers registered in the system?

```
select count(broker_id) as Total_brokers from broker;
```

TOTAL_BROKERS
10

### 10. Find models that long to makes where all models are active?

```
SELECT
    m.model_desc,
    mk.make_desc
FROM
    model    m
JOIN make    mk ON m.make_id = mk.make_id
WHERE
    mk.make_id NOT IN (
        SELECT DISTINCT
            make_id
        FROM
            model
        WHERE
            status = 'deactive'
    );
```

### 11. Calculate the total number of active makes and models?

```

SELECT
    (
        SELECT
            COUNT(*)
        FROM
            make
        WHERE
            status = 'active'
    ) AS active_makes,
    (
        SELECT
            COUNT(*)
        FROM
            model
        WHERE
            status = 'active'
    ) AS active_models
FROM
    dual;

```

ACTIVE_MAKES	ACTIVE_MODELS
25	49

## 12. Find the most recent user added to the system?

```
select user_id, first_name, last_name, dob from personal_info where dob=(select max(dob) from personal_info);
```

USER_ID	FIRST_NAME	LAST_NAME	DOB
8	Daniel	Brown	28-02-95

## 13. Rank all users by their date of birth in a ascending order?

```
select user_id, first_name, last_name, dob, rank() over(order by dob asc) as dob_rank from personal_info;
```

USER_ID	FIRST_NAME	LAST_NAME	DOB	DOB_RANK
3	David	Lee	10-11-75	1
10	Robert	Davis	20-11-76	2
4	Michael	Brown	25-03-78	3

**14.Retrieve login information for all users with a certain education level (e.g.,Master)?**

```
SELECT
    l.login_id,
    l.user_type,
    pi.first_name,
    pi.last_name
FROM
    login_user      l
    JOIN personal_info  pi ON l.user_id = pi.user_id
WHERE
    pi.education = 'Master';
```

LOGIN_ID	USER_TYPE	FIRST_NAME	LAST_NAME
2	Sales Agent	Jane	Smith
4	Broker	Michael	Brown
7	Broker	Sarah	Williams
10	Broker	Robert	Davis

**15.Generate a report of all brokers and their associated sales agents.**

```
SELECT
    b.broker_name,
    b.broker_org_name,
    p.first_name,
    p.last_name
FROM broker      b
    JOIN login_user      l ON b.broker_id = l.lead_id
    JOIN personal_info  p ON l.user_id = p.user_id
WHERE
    l.user_type = 'Sales Agent'
ORDER BY
    b.broker_name;
```

BROKER_NAME	BROKER_ORG_NAME	FIRST_NAME	LAST_NAME
Emily White	White Properties	Daniel	Brown
John Smith	Smith 1	Jane	Smith
Michael Brown	Brown 4	Emily	Davis

