

? 157339. ??? ?? ????? ??/?? ?? ???? (SQL)

1. ?? ??

- car_rental_company_car, car_rental_company_rental_history, car_rental_company_discount_plan
테이블을 참조
- 'SUV'인 차량이 2022년 11월 1일부터 2024년 11월 1일까지 30일 동안

2. ?????

????

```
SELECT j.car_id, j.car_type, j.daily_fee * ((100 - j.discount_rate)*0.01) * 30 AS fee
FROM (car_rental_company_car c INNER JOIN car_rental_company_discount_plan d ON c.car_type =
d.car_type) AS j
INNER JOIN car_rental_company_rental_history h ON j.car_id = h.car_id
WHERE car_type = 'SUV' OR 'SUV' AND h.end_date < '2024-11-01'
ORDER BY fee DESC, j.car_type, j.car_id DESC
```

- car_type: 'SUV'인 차량에 대해 true를 반환하는 조건을 car_type에 추가
- car_type이 'SUV'인 차량에 대해 true를 반환하는 조건을 car_type에 추가

????

```
FROM (SELECT * FROM ... ) AS j ...
```

- car_type이 'SUV'인 차량에 대해 true를 반환하는 조건을 car_type에 추가

????

```
FROM (SELECT c.car_id, c.car_type, c.daily_fee, d.discount_rate FROM ... ) AS j ...
```

- car_id를 그룹화하는 조건을 car_id에 추가 → ROUND() 함수
- car_id를 그룹화하는 조건을 car_id에 추가 → GROUP BY

????

```
... GROUP BY car_id ...
```

- WHERE `car_type = 'Sedan' OR 'SUV'`

?? ?? ??

```
WHERE car_type IN ('Sedan', 'SUV') AND h.end_date < '2024-11-01'
```

- WHERE `h.start_date < '2022-11-01'`
- `h.start_date < '2022-11-01' AND h.end_date >= '2022-11-30'`

?? ?? ??

```
... AND d.duration_type = '30 min'
... AND h.start_date <= '2022-11-01' AND h.end_date >= '2022-11-30'
```

- `h.start_date < '2022-11-01' AND h.end_date >= '2022-11-30'`

?? ?? ??

```
WHERE car_type IN (...) AND (SELECT car_id FROM ...)
```

- WHERE `car_type IN (...) AND (SELECT car_id FROM ...)`

?? ?? ??

```
WHERE car_type IN (...) AND NOT EXISTS (SELECT ...)
```

- `h.start_date < '2022-11-01' AND h.end_date >= '2022-11-30'`

?? ?? ?? (??)

```
SELECT j.car_id, j.car_type, ROUND(j.daily_fee * ((100 - j.discount_rate)*0.01) * 30) AS fee
FROM (
    SELECT c.car_id, c.car_type, c.daily_fee, d.discount_rate
    FROM car_rental_company_car c
    INNER JOIN car_rental_company_discount_plan d
    ON c.car_type = d.car_type AND d.duration_type = '30 min') AS j
WHERE car_type IN ('Sedan', 'SUV')
AND NOT EXISTS (
    SELECT 1
    FROM car_rental_company_rental_history h2
    WHERE h2.car_id = j.car_id
```

```

AND NOT (h2.end_date < '2022-11-01' OR h2.start_date > '2022-11-30')
)
ORDER BY fee DESC, j.car_type, j.car_id DESC;

```

- NOT EXISTS 条件 "11月 1日 から 11月 30日 まで" の条件を指定する
- 条件 : NOT (end < 11月 1日 OR start > 11月 30日) → 11月 1日 から 11月 30日 まで
- 条件 : duration_type = '30分以内'
- 条件 : ROUND(fee) > 100000

3. 3つのクエリ

3.1 SQL WHERE 条件を指定する

- 'SUV' の条件を指定する → true → IN ('SUV', 'SUV') の条件を指定する

3.2 条件を指定する NOT EXISTS 条件

- 条件を指定する NOT EXISTS 条件
- 条件 : NOT (end < 11月 1日 OR start > 11月 30日) の条件を指定する

3.3 GROUP BY 条件を指定する

- 条件を指定する GROUP BY 条件, JOIN 条件を指定する

3.4 ROUND 条件を指定する

- 条件を指定する ROUND 条件 → ROUND(fee) > 100000

3. TMI:

- SQL 条件を指定する WHERE 条件を指定する

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