HOMEWORK

I don't have a computer. That's why I tried to explain it with the available data in the homework instructions.

1.FINDING DATA WITH ALL NULL VALUES:

```
SELECT * FROM invoice
WHERE
  AND customer_id IS NULL
  AND invoice_date IS NULL
  AND billing_address IS NULL
  AND billing_city IS NULL
  AND billing_state IS NULL
  AND billing_country IS NULL
  AND billingpostal_code IS NULL
  AND total IS NULL;
```

- ■ This query returned data with all columns being NULL. (is null)

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2.FINDING THE ERRONEOUS DATA IN THE TOTAL COLUMN AND COMPARE THE OLD AND NEW DATA

(The assignment description states that there is erroneous data, meaning that there may be negative, 0 or missingg values in this column.) So, SQL Query (to find negative or 0 values):

```
SELECT *
FROM invoice
WHERE total <= 0 OR total IS NULL;
```

Comparing Old and New Data:
(If the old data is in another table (like invoice_old), I think i can compare with this query.)

```
SELECT i_old.invoice_id, i_old.total AS eski_total, i_new.total AS yeni_total
FROM invoice_old i_old
JOIN invoice i_new ON i_old.invoice_id = i_new.invoice_id
WHERE i_old.total <> i_new.total,
```

3. CONVERTING THE ADDRESS COLUMN TO A SPECIFIC FORMAT AND FILTER BY SPECIFIC DATES:

```sql
SELECT
 invoice_id,
LEFT(billing_address, 3) ||
RIGHT(billing_address, 4) AS "Açık Adres",
invoice_date
FROM invoice
WHERE invoice_date >= '2013-08-01";
```

- ■ I took the first 3 and last 4 characters of the address and combined them. Then, I got the datas from the 8th month of 2013 and later.

HATİCE ELGÖRMÜŞ