

# SQL skills: JSONextract, REGEXP\_EXTRACT

WITH

-- condition table

```
cond AS (  
    SELECT  
        DISTINCT(c.code) AS code,  
        JSONExtractInt(t.value, 'value') AS threshold  
    FROM t  
    LEFT JOIN c ON JSONExtractInt(t.value, 'currency_id') = c.id  
    WHERE c_id IN (99) AND c.code != ''  
    GROUP BY 1, 2),
```

-- data table

```
ref AS (  
    SELECT  
        r.created_at AS created_at,  
        c.code AS code,  
        r.user_id AS user_id,  
        r.id AS r_id,  
        r.amount AS r_amount,  
        cond.threshold AS threshold,  
        if(r.amount >= cond.threshold, 1, 0) AS more_threshold  
    FROM r  
    LEFT JOIN c ON toInt64(c.id) = toInt64(r.currency)  
    LEFT JOIN cond ON cond.code = c.code  
    WHERE r.created_at >= '2023-09-11' AND r.created_at < today())
```

-- result table

```
SELECT  
    DATE(ref.created_at) AS `date`,  
    toDayOfWeek(ref.created_at) AS week_day,  
    ref.code AS code,  
    COUNT(DISTINCT(ref.user_id)) AS total_users,  
    COUNT(ref.r_id) AS total_r,  
    SUM(ref.more_threshold) AS action_r  
FROM ref  
GROUP BY 1, 2, 3
```

```
WITH
  --condition table
  at2 AS (
    SELECT
      JSONExtractInt(p, 'userId') AS user_id,
      toUInt64(REGEXP_EXTRACT(p, 'For user r (\\d+)', 1)) AS r_id,
      DATE(created_at) AS date
    FROM att
    WHERE p LIKE '%tCaId": 1019%')
  -- result table
SELECT
  DATE(r.created_at) AS date,
  toDayOfWeek(r.created_at) AS week_day,
  r.user_id AS user_id,
  r.id AS id,
  at2.r_id,
  r.ppt AS ppt,
  r.amount AS amount
FROM r
LEFT JOIN c ON c.id = r.currency
LEFT JOIN at2 ON r.id = at2.r_id
WHERE r.status = 2 AND r.created_at >= '2023-09-11' AND r.created_at < today()
AND at2.r_id > 0
```