
Posted by [rick1177](#) on Sun, 25 Feb 2024 11:38:16 GMT
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EXPLAIN ANALYZE
(SELECT ogrn,
      current_loc_name_region,
      CASE WHEN is_ikt IS NOT NULL THEN 1 ELSE 0 END
           AS is_ikt,
      is_it_group,
      registrationdate,
      EXTRACT(YEAR FROM registrationdate)

      EXTRACT(QUARTER FROM registrationdate)

      EXTRACT(MONTH FROM registrationdate)

      (date_trunc('MONTH', registrationdate))::date
           AS
registrationdate_month_year_start,
      (date_trunc('MONTH', registrationdate) + INTERVAL '1 MONTH' -
      INTERVAL '1 day')::date

      issuedate,
      EXTRACT(YEAR FROM issuedate)

      EXTRACT(QUARTER FROM issuedate)

      EXTRACT(MONTH FROM issuedate)

      (date_trunc('MONTH', issuedate))::date
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(date_trunc('MONTH', issuedate) + INTERVAL '1 MONTH' - INTERVAL '1
day')::date AS issuedate_month_year_end,
termination_date,
EXTRACT(YEAR FROM termination_date)

EXTRACT(QUARTER FROM termination_date)

EXTRACT(MONTH FROM termination_date)

(date_trunc('MONTH', termination_date))::date
AS
termination_date_month_year_start,
(date_trunc('MONTH', termination_date) + INTERVAL '1 MONTH' -
INTERVAL '1 day')::date

main_okved,
main_okved_desc,
address_rf_code,
address_fr_regionname,
address_rf_okrug,
address_rf_okrug_full,
ROW_NUMBER() OVER (PARTITION BY ogrn ORDER BY issuedate DESC)
AS rn
FROM egrul_egrup_test.egrul_wdiffs
WHERE issuedate <=
DATE_TRUNC('MONTH', to_date(2023::text || '-' || 12::text || '-01', 'YYYY-MM-DD'))
+ INTERVAL '1 MONTH' -
INTERVAL '1 day'
)

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DROP FUNCTION IF EXISTS get_table_data(text, int, int);

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CREATE OR REPLACE FUNCTION get_table_data(
_tablename text DEFAULT 'egrul_wdiffs',
_year int DEFAULT 2023,

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    _month int DEFAULT 12)
RETURNS TABLE (
    ogrn TEXT,
    current_loc_name_region TEXT,
    is_ikt INT,
    is_it_group character varying,
    registrationdate DATE,
    registrationdate_year DOUBLE PRECISION,
    registrationdate_quarter DOUBLE PRECISION,
    registrationdate_month DOUBLE PRECISION,
    registrationdate_month_year_start DATE,
    registrationdate_month_year_end DATE,
    issuedate DATE,
    issuedate_year DOUBLE PRECISION,
    issuedate_quarter DOUBLE PRECISION,
    issuedate_month DOUBLE PRECISION,
    issuedate_month_year_start DATE,
    issuedate_month_year_end DATE,
    termination_date DATE,
    termination_date_year DOUBLE PRECISION,
    termination_date_quarter DOUBLE PRECISION,
    termination_date_month DOUBLE PRECISION,
    termination_date_month_year_start DATE,
    termination_date_month_year_end DATE,
    main_okved character varying,
    main_okved_desc character varying,
    address_rf_code character varying,
    address_fr_regionname TEXT,
    address_rf_okrug TEXT,
    address_rf_okrug_full TEXT,
    rn BIGINT
) AS
$$
BEGIN
    RETURN QUERY
    SELECT
        egrul_wdiffs.ogrn,
        egrul_wdiffs.current_loc_name_region,
        CASE WHEN egrul_wdiffs.is_ikt IS NOT NULL THEN 1 ELSE 0 END AS is_ikt,
        egrul_wdiffs.is_it_group,
        egrul_wdiffs.registrationdate,
        EXTRACT(YEAR FROM egrul_wdiffs.registrationdate) as registrationdate_year,
        EXTRACT(QUARTER FROM egrul_wdiffs.registrationdate) as
registrationdate_quarter,
        EXTRACT(MONTH FROM egrul_wdiffs.registrationdate) as
registrationdate_month,
        (date_trunc('MONTH', egrul_wdiffs.registrationdate))::date AS
registrationdate_month_year_start,

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(date_trunc('MONTH', egrul_wdiffs.registrationdate) + INTERVAL '1 MONTH' -
INTERVAL '1 day')::date AS registrationdate_month_year_end,
    egrul_wdiffs.issuedate,
    EXTRACT(YEAR FROM egrul_wdiffs.issuedate) as issuedate_year,
    EXTRACT(QUARTER FROM egrul_wdiffs.issuedate) as issuedate_quarter,
    EXTRACT(MONTH FROM egrul_wdiffs.issuedate) as issuedate_month,
    (date_trunc('MONTH', egrul_wdiffs.issuedate))::date AS
issuedate_month_year_start,
    (date_trunc('MONTH', egrul_wdiffs.issuedate) + INTERVAL '1 MONTH' -
INTERVAL '1 day')::date AS issuedate_month_year_end,
    egrul_wdiffs.termination_date,
    EXTRACT(YEAR FROM egrul_wdiffs.termination_date) as termination_date_year,
    EXTRACT(QUARTER FROM egrul_wdiffs.termination_date) as
termination_date_quarter,
    EXTRACT(MONTH FROM egrul_wdiffs.termination_date) as
termination_date_month,
    (date_trunc('MONTH', egrul_wdiffs.termination_date))::date AS
termination_date_month_year_start,
    (date_trunc('MONTH', egrul_wdiffs.termination_date) + INTERVAL '1 MONTH' -
INTERVAL '1 day')::date AS termination_date_month_year_end,
    egrul_wdiffs.main_okved,
    egrul_wdiffs.main_okved_desc,
    egrul_wdiffs.address_rf_code,
    egrul_wdiffs.address_fr_regionname,
    egrul_wdiffs.address_rf_okrug,
    egrul_wdiffs.address_rf_okrug_full,
    ROW_NUMBER() OVER (PARTITION BY egrul_wdiffs.ogrn ORDER BY
egrul_wdiffs.issuedate DESC) AS rn
FROM
    egrul_egrip_test.egrul_wdiffs
WHERE
    egrul_wdiffs.issuedate <= DATE_TRUNC('MONTH', DATE(_year || '-' || _month ||
'-01')) + INTERVAL '1 MONTH' - INTERVAL '1 day';
END;
$$
LANGUAGE 'plpgsql';

EXPLAIN ANALYZE (
SELECT *
FROM get_table_data( _year := 2023));

```
