

Dataset Query (with dynamic query)

Dataset Manual

<https://v3-renobit-manual.web.app/en/editor.html#dataset-manager>

데이터셋 쿼리는 교육에서 말씀드렸듯이, "Static"에서 "#{paramName}"을 활용하여 사용하면 됩니다.

"Static"은 Mybatis의 Dynamic과 구분되기 위함이지 고정된 쿼리를 의미하는 것은 아닙니다.

(Dynamic은 Mybatis를 사용한 RENOBIT 파일스토리지에 저장된 xml파일을 불러오는 기능이므로 현재 단계에서 필수 사용 대상은 아닙니다.)

Mybatis <https://mybatis.org/mybatis-3/>

XML File Path

```
renobit\WEB-INF\classes\wembframework\sqlmap\mappers\wemb\postgre  
\dataset\DynamicMapperSQL.xml
```

Query Example

- api_tabulator_query

```
SELECT  
  id,  
  name,  
  age,  
  department,  
  (RANDOM() * 100000 + 30000)::INT as salary,  
  email,  
  status,  
  TO_CHAR(joinDate, 'YYYY-MM-DD') as joinDate
```

```

FROM (
  VALUES
    (1, 'Employee 1', 31, 'Marketing', 'employee1@company.com', 'Active', '2024-09-26'::date),
    (2, 'Employee 2', 44, 'Finance', 'employee2@company.com', 'Active', '2024-10-14'::date),
    (3, 'Employee 3', 32, 'HR', 'employee3@company.com', 'Inactive', '2020-12-19'::date),
    (4, 'Employee 4', 27, 'Sales', 'employee4@company.com', 'Active', '2024-02-05'::date),
    (5, 'Employee 5', 41, 'Marketing', 'employee5@company.com', 'Active', '2022-02-11'::date),
    (6, 'Employee 6', 32, 'HR', 'employee6@company.com', 'Active', '2024-01-15'::date),
    (7, 'Employee 7', 29, 'Engineering', 'employee7@company.com', 'Active', '2023-06-01'::date),
    (8, 'Employee 8', 45, 'Marketing', 'employee8@company.com', 'Inactive', '2022-11-20'::date),
    (9, 'Employee 9', 38, 'Finance', 'employee9@company.com', 'Active', '2024-03-10'::date),
    (10, 'Employee 10', 51, 'Engineering', 'employee10@company.com', 'Active', '2023-02-28'::date)
) AS t(id, name, age, department, email, status, joinDate)
LIMIT #{rows}

```

- `api_line_chart_query`

```

SELECT
  day,
  metric_name,
  (RANDOM() * 300 + 50)::INT as value
FROM (
  VALUES
    ('Mon', 'Sales'),
    ('Mon', 'Profit'),
    ('Mon', 'Revenue'),
    ('Tue', 'Sales'),
    ('Tue', 'Profit'),

```

```

('Tue', 'Revenue'),
('Wed', 'Sales'),
('Wed', 'Profit'),
('Wed', 'Revenue'),
('Thu', 'Sales'),
('Thu', 'Profit'),
('Thu', 'Revenue'),
('Fri', 'Sales'),
('Fri', 'Profit'),
('Fri', 'Revenue'),
('Sat', 'Sales'),
('Sat', 'Profit'),
('Sat', 'Revenue'),
('Sun', 'Sales'),
('Sun', 'Profit'),
('Sun', 'Revenue')
) AS t(day, metric_name)
WHERE
    day IN (SELECT unnest(ARRAY['Mon','Tue','Wed','Thu','Fri','Sat','Sun'])) LI
MIT #{days})
    AND metric_name IN (SELECT unnest(ARRAY['Sales','Profit','Revenue'])) L
IMIT #{series})
ORDER BY
    CASE day
        WHEN 'Mon' THEN 1
        WHEN 'Tue' THEN 2
        WHEN 'Wed' THEN 3
        WHEN 'Thu' THEN 4
        WHEN 'Fri' THEN 5
        WHEN 'Sat' THEN 6
        WHEN 'Sun' THEN 7
    END,
    CASE metric_name
        WHEN 'Sales' THEN 1
        WHEN 'Profit' THEN 2
        WHEN 'Revenue' THEN 3
    END;

```

- api_bar_chart_query

```
SELECT
  day,
  metric_name,
  (RANDOM() * 300 + 50)::INT as value
FROM (
  VALUES
    ('Mon', 'Sales'),
    ('Mon', 'Profit'),
    ('Mon', 'Revenue'),
    ('Tue', 'Sales'),
    ('Tue', 'Profit'),
    ('Tue', 'Revenue'),
    ('Wed', 'Sales'),
    ('Wed', 'Profit'),
    ('Wed', 'Revenue'),
    ('Thu', 'Sales'),
    ('Thu', 'Profit'),
    ('Thu', 'Revenue'),
    ('Fri', 'Sales'),
    ('Fri', 'Profit'),
    ('Fri', 'Revenue'),
    ('Sat', 'Sales'),
    ('Sat', 'Profit'),
    ('Sat', 'Revenue'),
    ('Sun', 'Sales'),
    ('Sun', 'Profit'),
    ('Sun', 'Revenue')
) AS t(day, metric_name)
WHERE
  day IN (SELECT unnest(ARRAY['Mon','Tue','Wed','Thu','Fri','Sat','Sun']) LI
MIT #{days})
  AND metric_name IN (SELECT unnest(ARRAY['Sales','Profit','Revenue']) L
IMIT #{series})
ORDER BY
  CASE day
```

```

    WHEN 'Mon' THEN 1
    WHEN 'Tue' THEN 2
    WHEN 'Wed' THEN 3
    WHEN 'Thu' THEN 4
    WHEN 'Fri' THEN 5
    WHEN 'Sat' THEN 6
    WHEN 'Sun' THEN 7
END,
CASE metric_name
    WHEN 'Sales' THEN 1
    WHEN 'Profit' THEN 2
    WHEN 'Revenue' THEN 3
END;

```

- api_pie_chart_query

```

SELECT
    name,
    value,
    CASE
        WHEN #{percent} = true THEN
            ROUND((value::NUMERIC / SUM(value) OVER() * 100), 1)::TEXT
        ELSE NULL
    END as percentage
FROM (
    VALUES
        ('Sales', (RANDOM() * 500 + 100)::INT),
        ('Marketing', (RANDOM() * 800 + 200)::INT),
        ('Engineering', (RANDOM() * 600 + 150)::INT),
        ('Support', (RANDOM() * 900 + 300)::INT),
        ('Finance', (RANDOM() * 700 + 200)::INT),
        ('HR', (RANDOM() * 400 + 100)::INT),
        ('Legal', (RANDOM() * 300 + 50)::INT),
        ('Operations', (RANDOM() * 750 + 250)::INT)
) AS t(name, value)
LIMIT #{categories}

```