

## AUTOMATE TRIGGER WITH TESTING

#created by: - Satyam Markam

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#language: SQL, Python

### Table Details:

#### 1. SQL query table

- Test case SQL queries are stored in a table.
- The procedure utilizes this table to generate the test output.

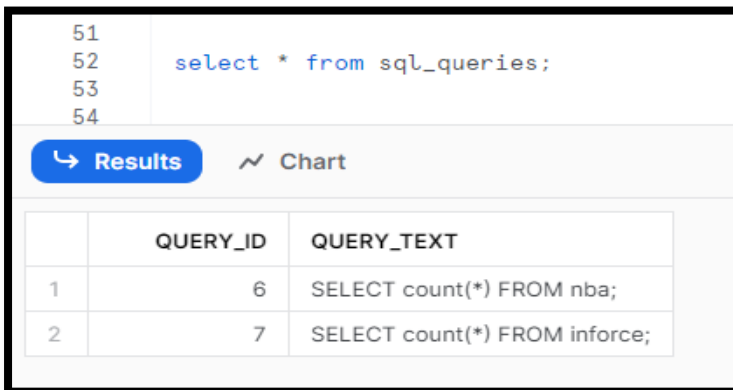
#### 2. Test template

- The table has a fixed number of columns and rows, serving as a template.
- A procedure will fill the table with output specific to the current date.
- Python will then utilize this table to trigger the tableau subscription.

#### 3. history table

- Store daily test results.
- Perform monthly analysis using the stored data.

#### 1. SQL query table



The screenshot shows a SQL query editor interface. At the top, there is a text area with line numbers 51 to 54. Line 52 contains the query: `select * from sql_queries;`. Below the text area, there are two tabs: 'Results' (active) and 'Chart'. The 'Results' tab displays a table with two columns: 'QUERY\_ID' and 'QUERY\_TEXT'. The table contains two rows of data.

	QUERY_ID	QUERY_TEXT
1	6	SELECT count(*) FROM nba;
2	7	SELECT count(*) FROM inforce;

#### 2. Test template

```

67
68
69 | select * from test_result;
70

```

	NAME	TEST_NAME	...	EXPECTED_OUTPUT	OUTPUT	LAST_UPDATE	FLAG
1	NBA	Test 1		3	null	null	null
2	INFORCE	Test 2		2	null	null	null

### 3 history table

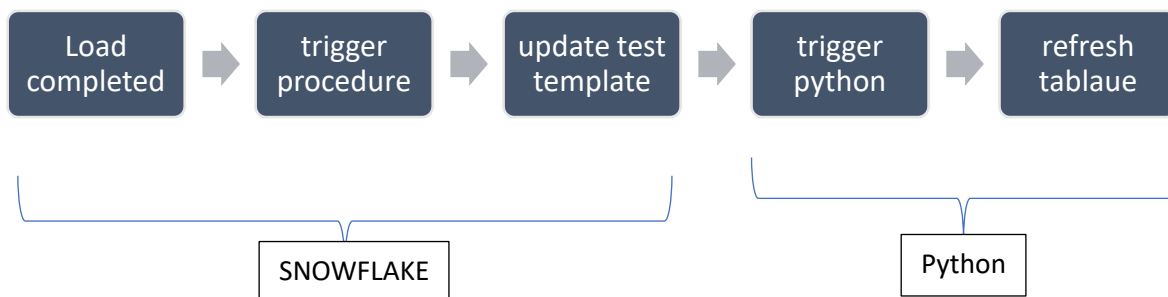
```

189
190 | select * from test_result_hist;
191
192
193

```

	NAME	TEST_NAME	...	EXPECTED_OUTPUT	OUTPUT	LAST_UPDATE	FLAG
1	INFORCE	Test 2		2	1	2023-06-17	INFORCE1706

#### Flow:



#### Steps:

1. Load completion triggers the procedure.

2. The procedure updates the template with current date testing result.
3. Python validates and sends confirmation emails to users.

**Python Flow:**

