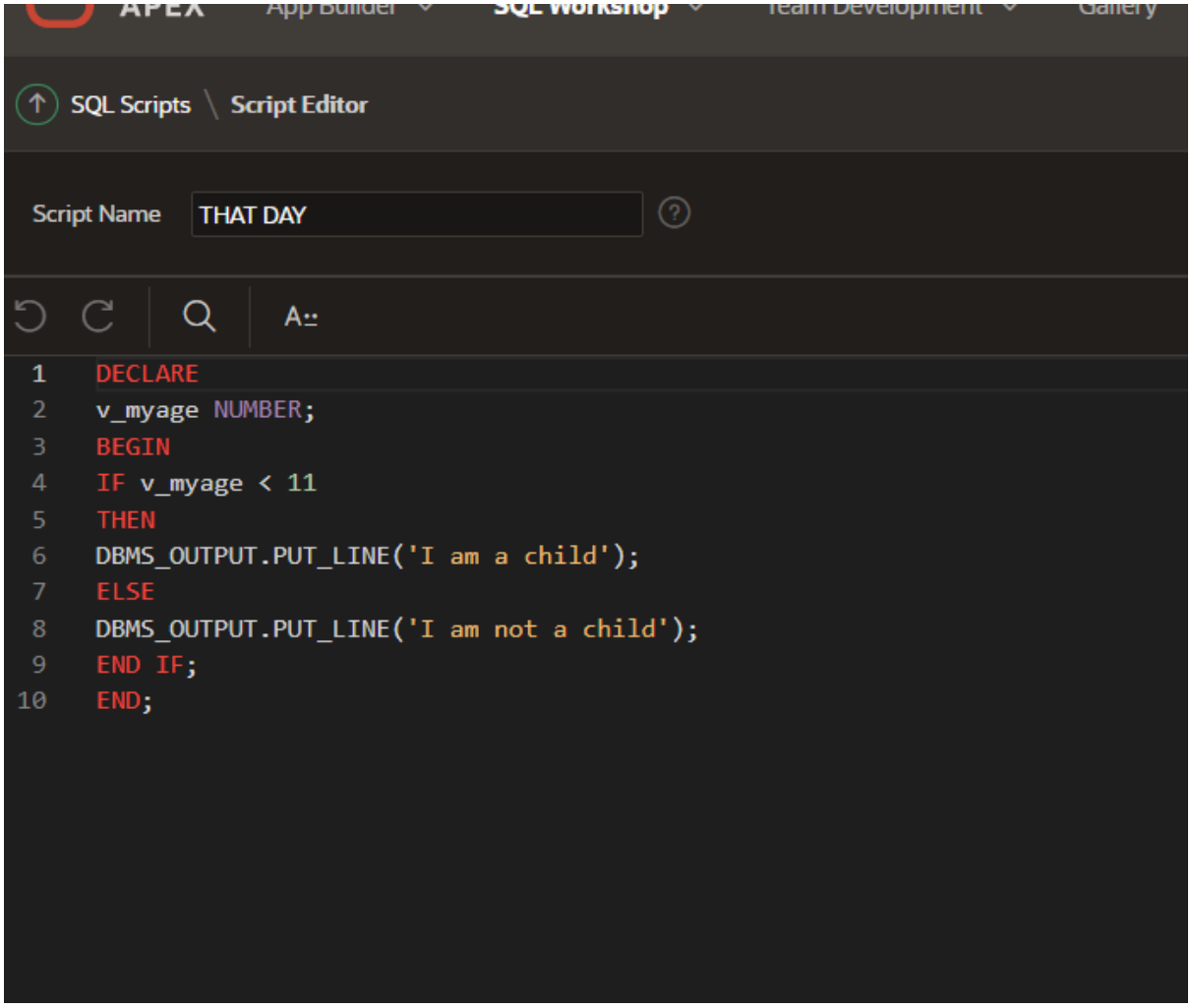
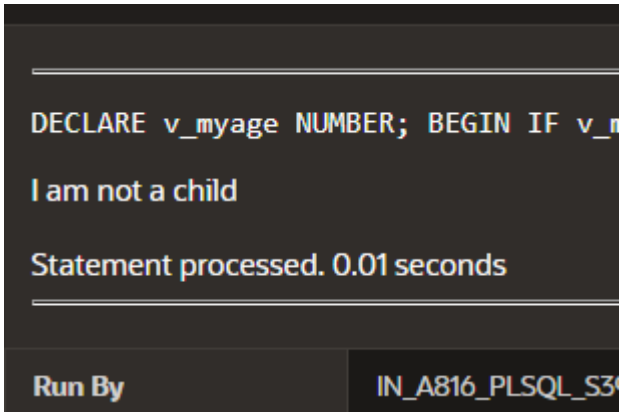
4.1

Script Name: THAT DAY

```
1  DECLARE
2      v_salary NUMBER;
3      v_emp_id INT := 5;
4  BEGIN
5      SELECT SALARY INTO v_salary
6      FROM EMP_123
7      WHERE EMP_ID = v_emp_id;
8      IF v_salary > 75000 THEN
9          DBMS_OUTPUT.PUT_LINE('Employee with ID ' || v_emp_id ||''||v_salary|| ' has a high salary.');
10     ELSIF v_salary BETWEEN 60000 AND 75000 THEN
11         DBMS_OUTPUT.PUT_LINE('Employee with ID ' || v_emp_id || ' has a moderate salary.');
12     ELSE
13         DBMS_OUTPUT.PUT_LINE('Employee with ID ' || v_emp_id || ' has a low salary.');
14     END IF;
15 END;
```

```
DECLARE     v_salary NUMBER;     v_emp_id IN
||''||v_salary|| ' has a high salary.');
with ID ' || v_emp_id || ' has a low salary.

Employee with ID 580000 has a high salary.

Statement processed. 0.01 seconds
```


APEX
App Builder
SQL Workshop
Team Development
Gallery
SQL Scripts
Script Editor
Script Name
THAT DAY
A::
1 DECLARE
2 v_myage NUMBER;
3 BEGIN
4 IF v_myage < 11
5 THEN
6 DBMS_OUTPUT.PUT_LINE('I am a child');
7 ELSE
8 DBMS_OUTPUT.PUT_LINE('I am not a child');
9 END IF;
10 END;


DECLARE v_myage NUMBER; BEGIN IF v_
I am not a child
Statement processed. 0.01 seconds
Run By
IN_A816_PLSQL_S3

4.2

Script Name THAT DAY

```
1   DECLARE
2   V_SALARY NUMBER;
3   V_EMP_ID INT:=3;
4   BEGIN
5   SELECT SALARY INTO V_SALARY
6   FROM EMP_123
7   WHERE EMP_ID=V_EMP_ID;
8   IF V_SALARY> 100000 THEN
9   DBMS_OUTPUT.PUT_LINE('HIDH SALARY');
10  ELSIF V_SALARY<100000 THEN
11  DBMS_OUTPUT.PUT_LINE('LOW SALARY');
12  END IF;
13  END;
```

```
DECLARE  V_SALARY NUMBER; V_EMP_
THEN DBMS_OUTPUT.PUT_LINE('HIDH

LOW SALARY

Statement processed. 0.01 seconds
```

Run By IN_A816_PLSQ

SQL Scripts \ Script Editor

Script Name: THAT DAY

```
1  DECLARE
2      TYPE NumTxtTable IS TABLE OF VARCHAR2(50) INDEX BY PLS_INTEGER;
3      num_txt_table NumTxtTable;
4      v_num PLS_INTEGER := 15;
5      v_txt VARCHAR2(50);
6  BEGIN
7      num_txt_table(20) := 'nunmber equals 20';
8      num_txt_table(17) := 'umber equals 17';
9      num_txt_table(15) := 'number equals 15';
10     num_txt_table(13) := 'number equals 13';
11     num_txt_table(10) := 'number equals 10';
12     IF num_txt_table.EXISTS(v_num) THEN
13         v_txt := num_txt_table(v_num);
14     ELSE
15         v_txt := 'some other number';
16     END IF;
17     DBMS_OUTPUT.PUT_LINE(v_txt);
18 END;
```

```
number equals 15

Statement processed. 0.01
```

Script Name THAT DAY

```
1   DECLARE
2   v_num NUMBER := 15;
3   v_txt VARCHAR2(50);
4   BEGIN
5   IF v_num > 20 THEN v_txt := 'greater than 20';
6   ELSIF v_num > 15 THEN v_txt := 'greater than 15';
7   ELSE v_txt := 'less than 16';
8   END IF;
9   DBMS_OUTPUT.PUT_LINE(v_txt);
0   END;
```

```
DECLARE v_num NUMBER := 15; v_txt VARCHAR2(50); BEGIN IF
less than 16
Statement processed. 0.01 seconds
```

Run By IN_A816_PLSQL_S39

Script Name THAT DAY

```
DECLARE
    v_out_var VARCHAR2(15);
    v_in_var EMP_123.SALARY%TYPE;
BEGIN
    FOR rec IN (SELECT SALARY FROM EMP_123) LOOP
        v_in_var := rec.SALARY;
        IF v_in_var = 1 THEN
            v_out_var := 'Low value';
        ELSIF v_in_var = 50 THEN
            v_out_var := 'Middle value';
        ELSIF v_in_var = 99 THEN
            v_out_var := 'High value';
        ELSE
            v_out_var := 'Other value';
        END IF;
        DBMS_OUTPUT.PUT_LINE('Salary: ' || v_in_var || ' - Category: ' || v_out_var);
    END LOOP;
END;

```

Script: THAT DAY Status: Complete

View: Detail Summary Show: Statement Results Feed

```
DECLARE     v_out_var VARCHAR2(15);     v_in_var EMP_123.SALARY%TYPE; BE
ELSIF v_in_var = 50 THEN             v_out_var := 'Middle value';
DBMS_OUTPUT.PUT_LINE('Salary: ' || v_in_var || ' - Category: ' || v_out_
```

```
Salary: 75000 - Category: Other value
Salary: 68000 - Category: Other value
Salary: 72000 - Category: Other value
Salary: 69000 - Category: Other value
Salary: 80000 - Category: Other value

Statement processed. 0.02 seconds
```

Run By	IN_A816_PLSQL_S39
Parsing Schema	IN_A816_PLSQL_S39
Script Started	Saturday, August 24, 2024
	11 seconds ago
Elapsed time	0.02 seconds
Statements Processed	1

Script Name THAT DAY

```
1  CREATE TABLE grade_appraisal (
2      grade CHAR(1),
3      appraisal VARCHAR2(20)
4  );
```

SQL Scripts \ Script Editor

Script Name: THAT DAY

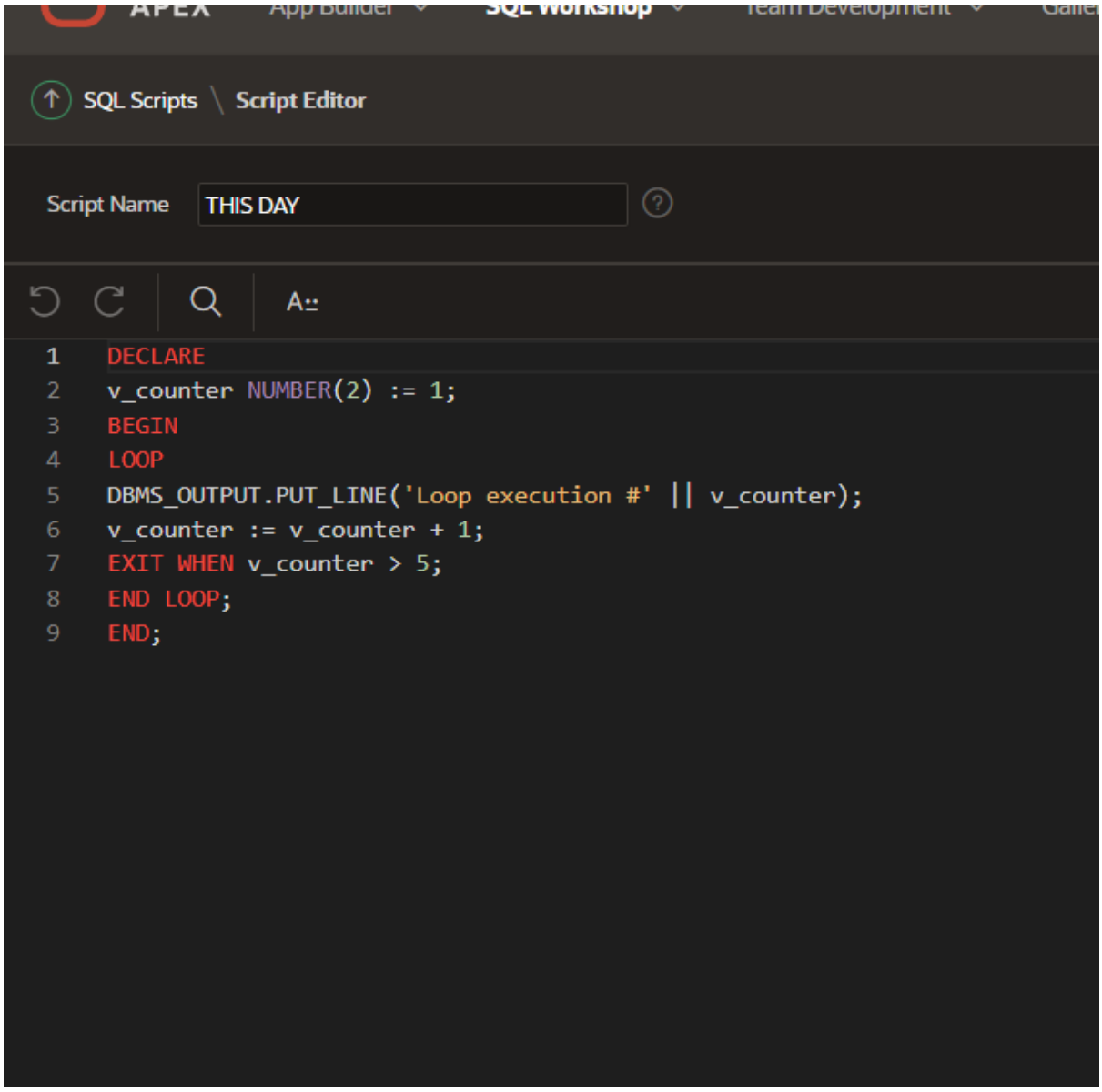
```sql
INSERT INTO grade_appraisal VALUES('B','BASHA SHAIK');
INSERT INTO grade_appraisal VALUES('C','JAAAANU');
INSERT INTO grade_appraisal VALUES('D','RAVBI');
INSERT INTO grade_appraisal VALUES('F','USHA');
INSERT INTO grade_appraisal VALUES('A','ANU');
INSERT INTO grade_appraisal VALUES('D','BHANU');
INSERT INTO grade_appraisal VALUES('F','SUMATHI');
INSERT INTO grade_appraisal VALUES('B','SARUPA');
INSERT INTO grade_appraisal VALUES('G','HEMA');
INSERT INTO grade_appraisal VALUES('C','POTTI');
INSERT INTO grade_appraisal VALUES('D','POTTI420');

```

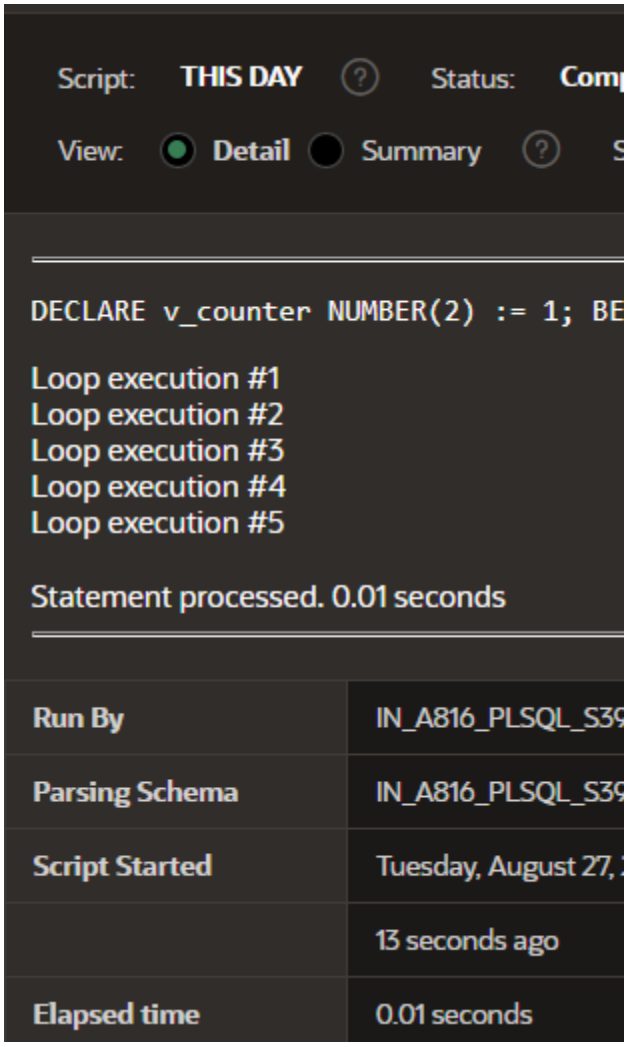
Script Name: THAT DAY

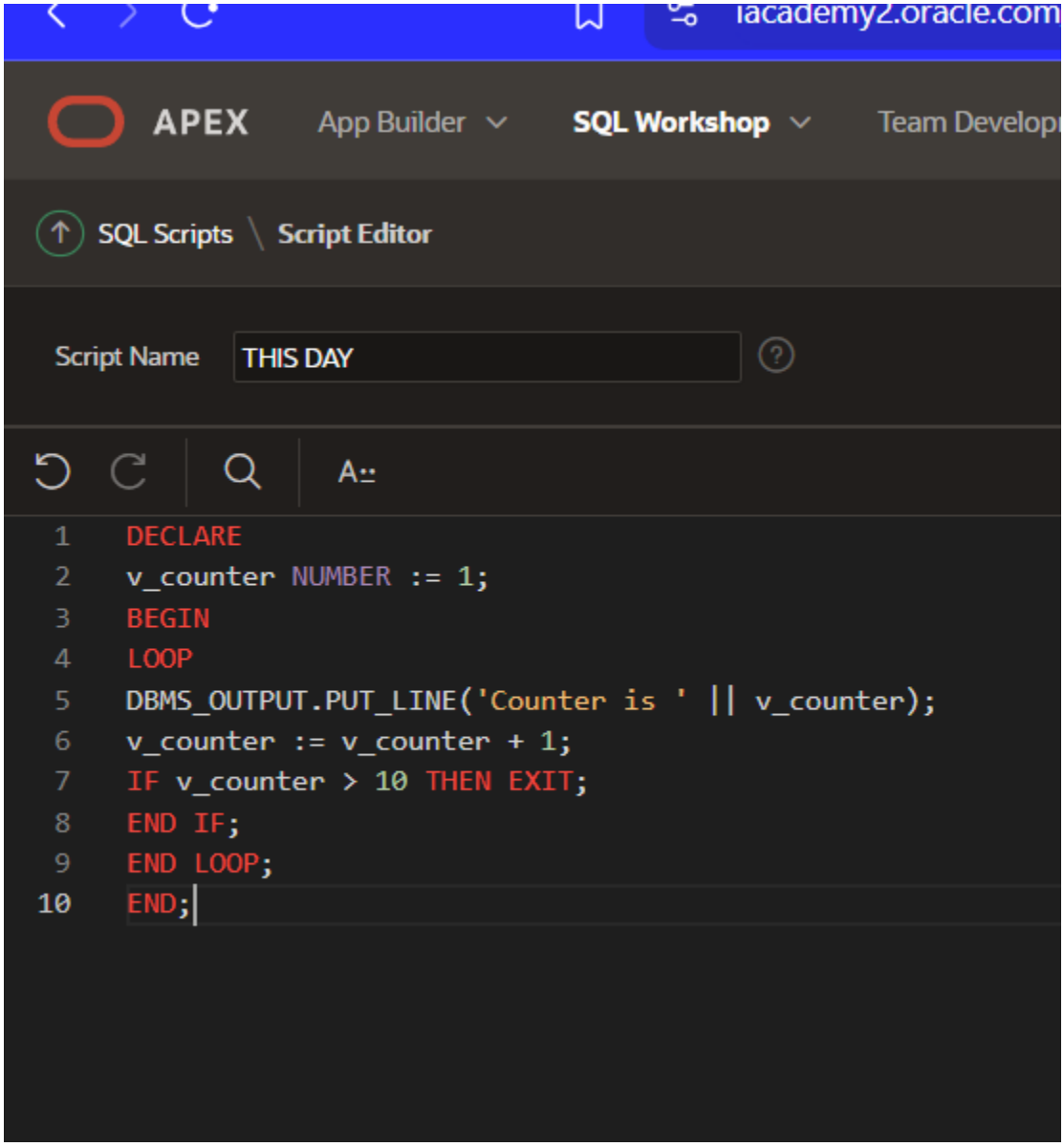
```sql
DECLARE
    v_grade CHAR(1) := 'A';
    v_appraisal VARCHAR2(20);
BEGIN
    v_appraisal :=
    CASE
        WHEN v_grade = 'A' THEN 'Excellent'
        WHEN v_grade IN ('B', 'C') THEN 'Good'
        ELSE 'No such grade'
    END;
    DBMS_OUTPUT.PUT_LINE('Grade: ' || v_grade || ' Appraisal: ' || v_appraisal);
END;

```

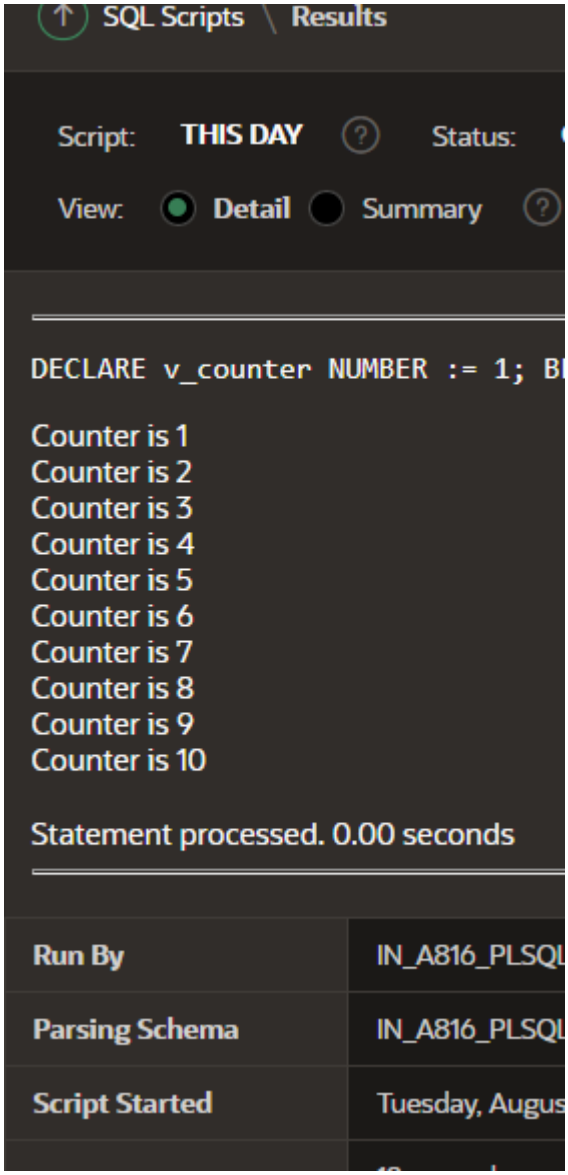
```
DECLARE     v_grade CHAR(1) := 'A';     v_
DBMS_OUTPUT.PUT_LINE('Grade: ' || v_grade

Grade: A Appraisal: Excellent

Statement processed. 0.01 seconds
```

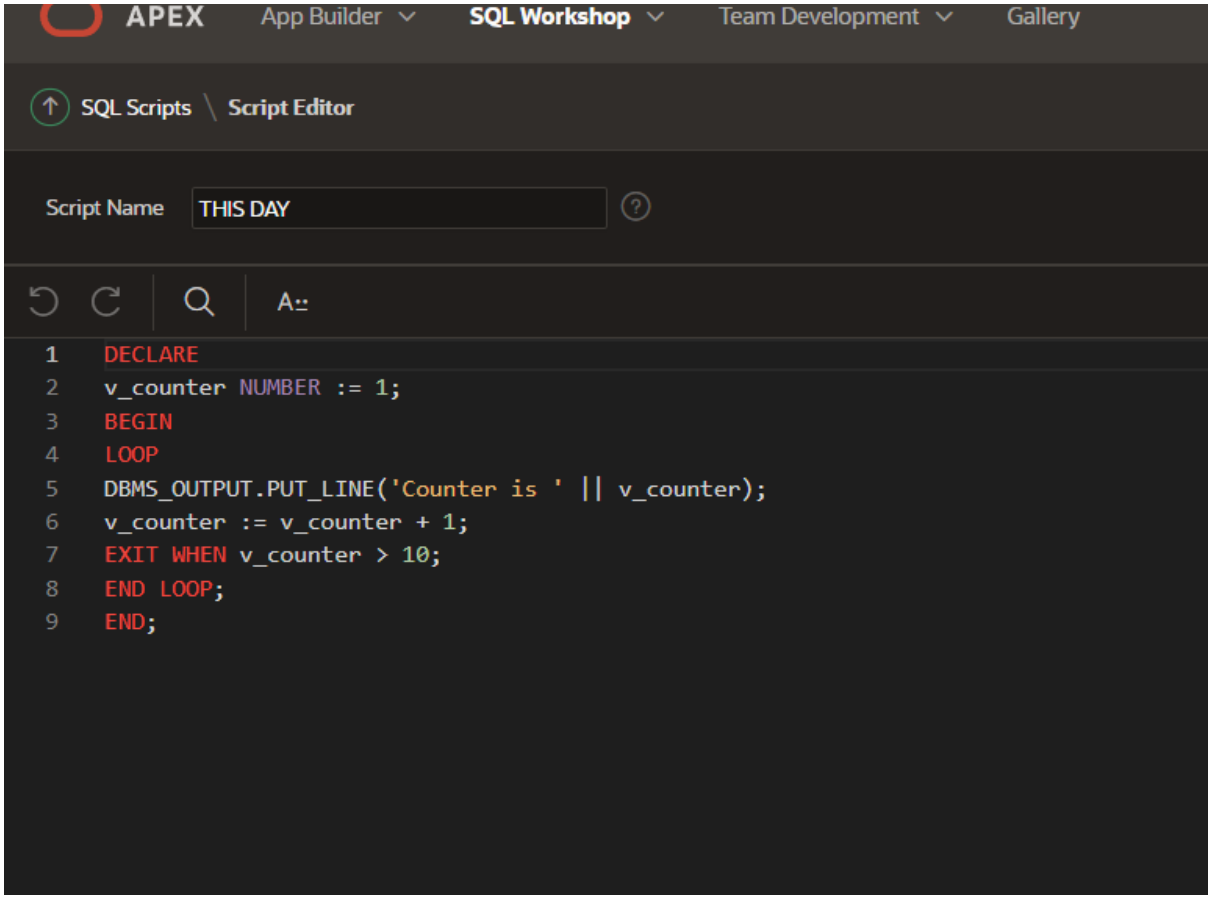
4.3

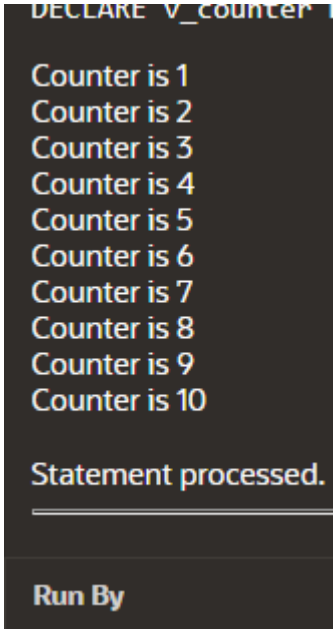



Script: THIS DAY
Status: Comp
View: Detail Summary
DECLARE v_counter NUMBER(2) := 1; BE
Loop execution #1
Loop execution #2
Loop execution #3
Loop execution #4
Loop execution #5
Statement processed. 0.01 seconds
Run By
IN_A816_PLSQL_S39
Parsing Schema
IN_A816_PLSQL_S39
Script Started
Tuesday, August 27,
13 seconds ago
Elapsed time
0.01 seconds

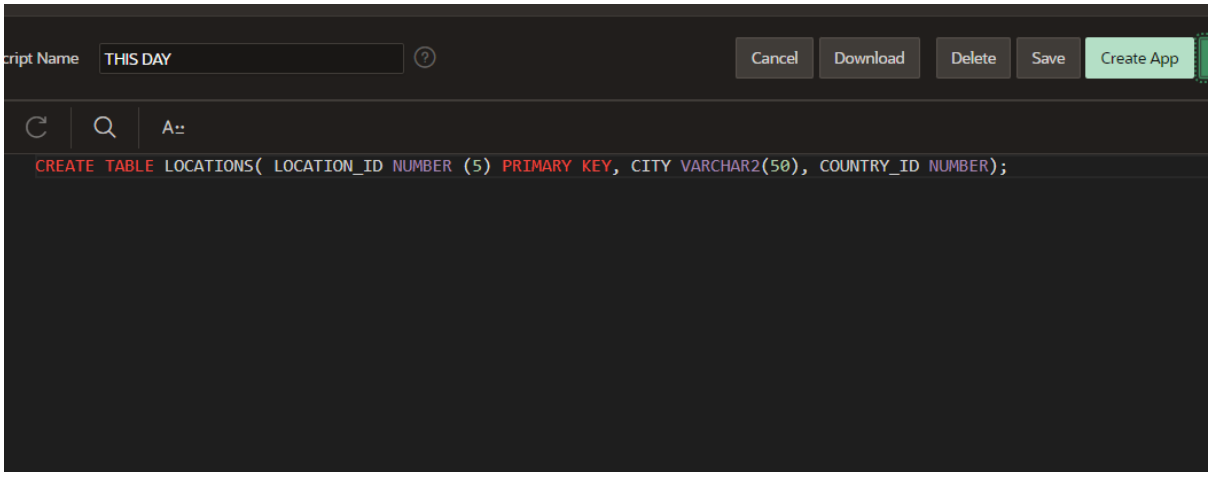

iacademy2.oracle.com
APEX
App Builder
SQL Workshop
Team Develop
SQL Scripts
Script Editor
Script Name
THIS DAY
1 DECLARE
2 v_counter NUMBER := 1;
3 BEGIN
4 LOOP
5 DBMS_OUTPUT.PUT_LINE('Counter is ' || v_counter);
6 v_counter := v_counter + 1;
7 IF v_counter > 10 THEN EXIT;
8 END IF;
9 END LOOP;
10 END;

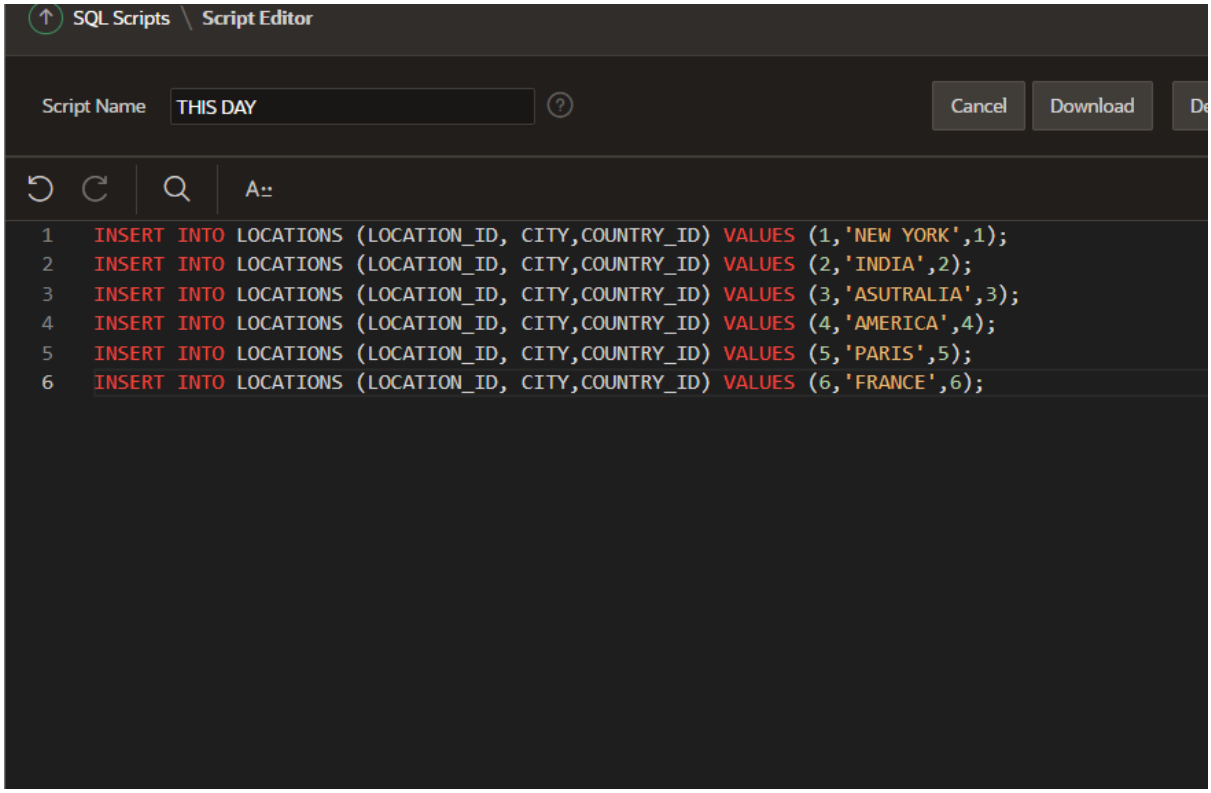

SQL Scripts
Results
Script:
THIS DAY
Status:
View:
Detail
Summary
DECLARE v_counter NUMBER := 1; B
Counter is 1
Counter is 2
Counter is 3
Counter is 4
Counter is 5
Counter is 6
Counter is 7
Counter is 8
Counter is 9
Counter is 10
Statement processed. 0.00 seconds
Run By
IN_A816_PLSQL
Parsing Schema
IN_A816_PLSQL
Script Started
Tuesday, Augus

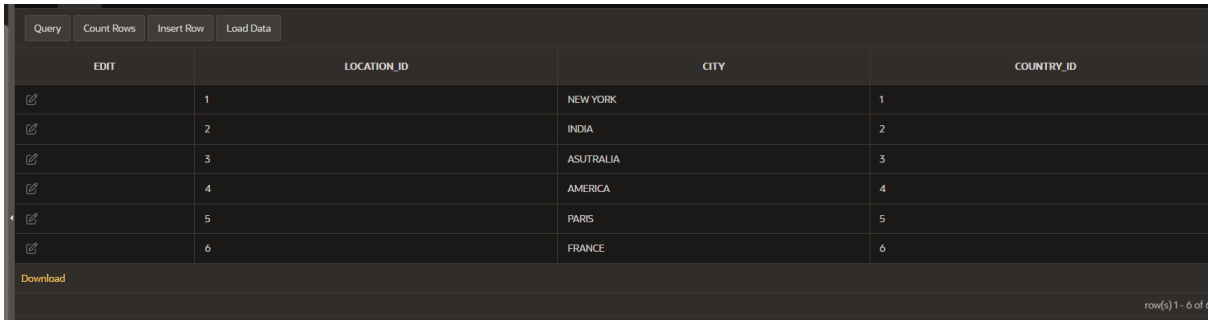

APEX
App Builder
SQL Workshop
Team Development
Gallery
SQL Scripts
Script Editor
Script Name
THIS DAY
DECLARE
v_counter NUMBER := 1;
BEGIN
LOOP
DBMS_OUTPUT.PUT_LINE('Counter is ' || v_counter);
v_counter := v_counter + 1;
EXIT WHEN v_counter > 10;
END LOOP;
END;


Counter is 1
Counter is 2
Counter is 3
Counter is 4
Counter is 5
Counter is 6
Counter is 7
Counter is 8
Counter is 9
Counter is 10
Statement processed.
Run By

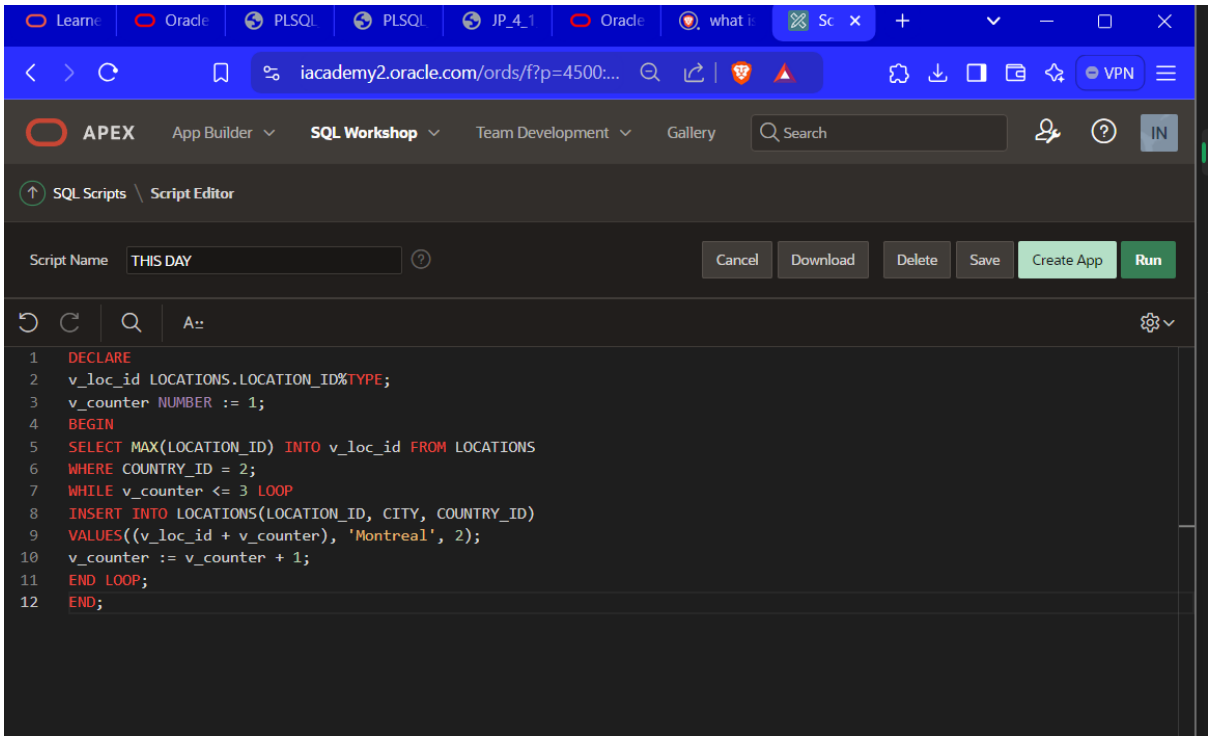
4.4


ript Name
THIS DAY
Cancel
Download
Delete
Save
Create App
A::
CREATE TABLE LOCATIONS(LOCATION_ID NUMBER (5) PRIMARY KEY, CITY VARCHAR2(50), COUNTRY_ID NUMBER);


SQL Scripts
Script Editor
Script Name
THIS DAY
Cancel
Download
A::
1 INSERT INTO LOCATIONS (LOCATION_ID, CITY,COUNTRY_ID) VALUES (1,'NEW YORK',1);
2 INSERT INTO LOCATIONS (LOCATION_ID, CITY,COUNTRY_ID) VALUES (2,'INDIA',2);
3 INSERT INTO LOCATIONS (LOCATION_ID, CITY,COUNTRY_ID) VALUES (3,'ASUTRALIA',3);
4 INSERT INTO LOCATIONS (LOCATION_ID, CITY,COUNTRY_ID) VALUES (4,'AMERICA',4);
5 INSERT INTO LOCATIONS (LOCATION_ID, CITY,COUNTRY_ID) VALUES (5,'PARIS',5);
6 INSERT INTO LOCATIONS (LOCATION_ID, CITY,COUNTRY_ID) VALUES (6,'FRANCE',6);


Query
Count Rows
Insert Row
Load Data
EDIT
LOCATION_ID
CITY
COUNTRY_ID
1 NEW YORK 1
2 INDIA 2
3 ASUTRALIA 3
4 AMERICA 4
5 PARIS 5
6 FRANCE 6
Download

```
1   DECLARE
2   v_loc_id LOCATIONS.LOCATION_ID%TYPE;
3   v_counter NUMBER := 1;
4   BEGIN
5   SELECT MAX(LOCATION_ID) INTO v_loc_id FROM LOCATIONS
6   WHERE COUNTRY_ID = 2;
7   WHILE v_counter <= 3 LOOP
8   INSERT INTO LOCATIONS(LOCATION_ID, CITY, COUNTRY_ID)
9   VALUES((v_loc_id + v_counter), 'Montreal', 2);
10  v_counter := v_counter + 1;
11  END LOOP;
12  END;
```

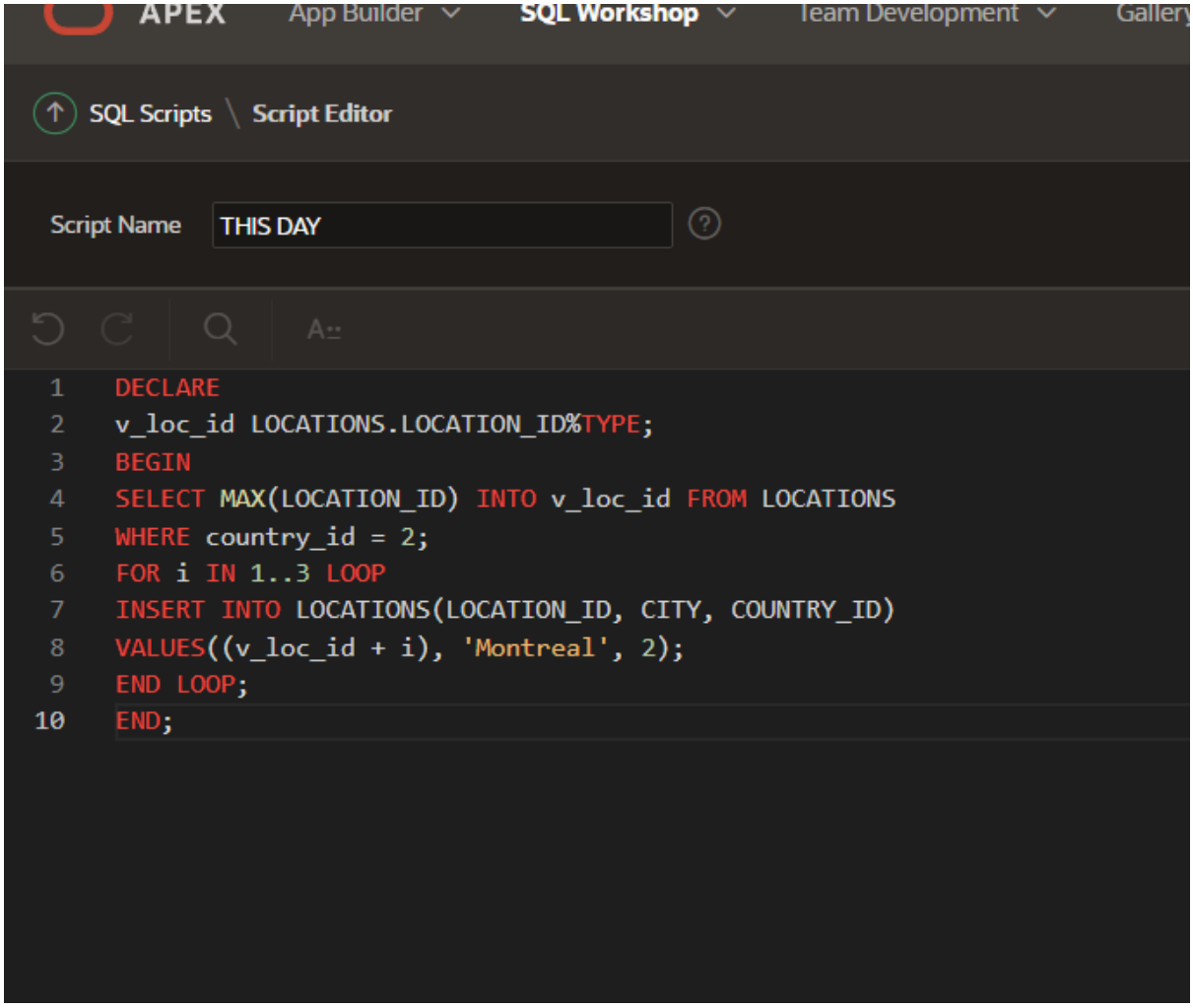


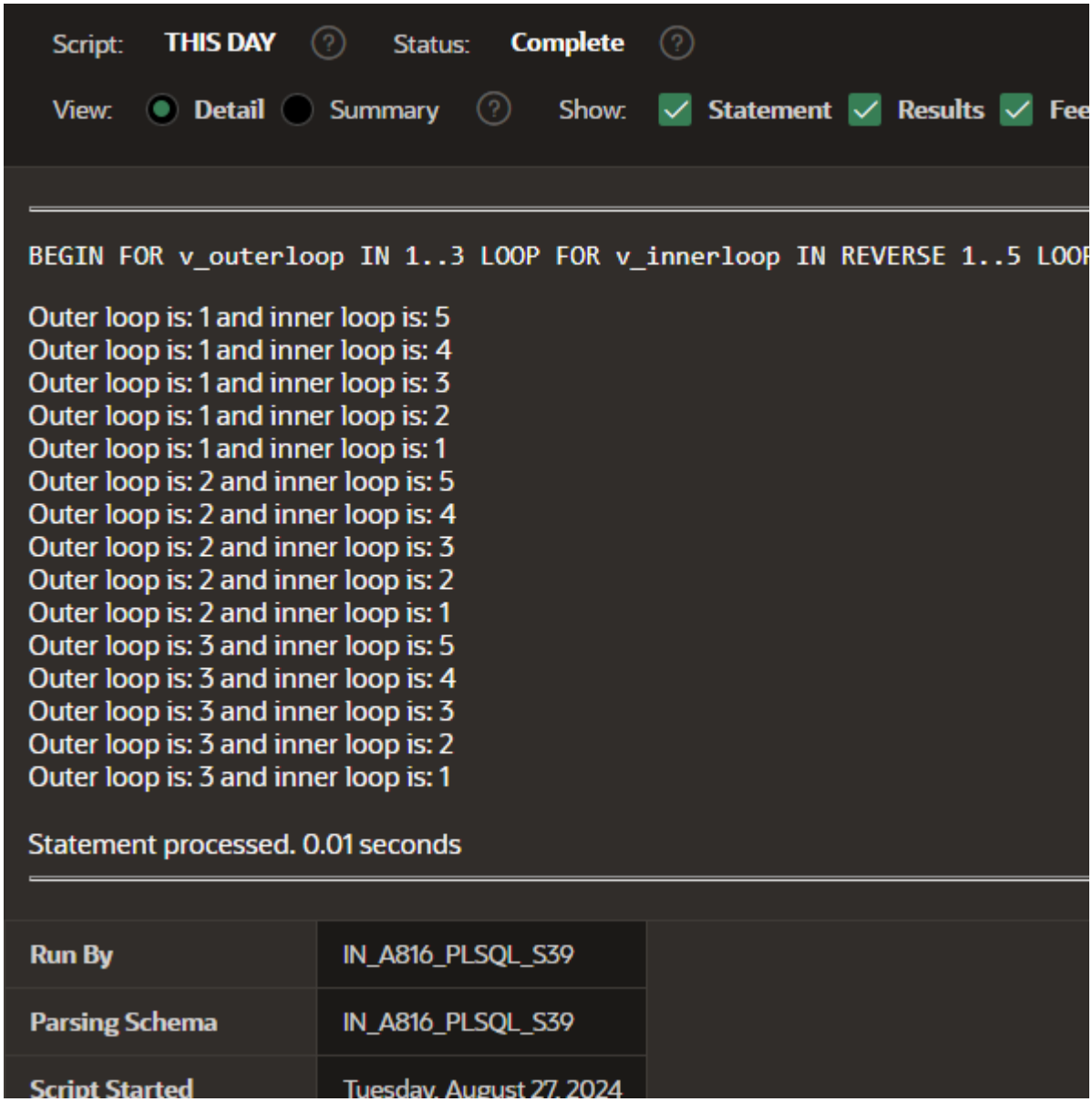
EDIT	LOCATION_ID	CITY	COUNTRY_ID
	14	Montreal	2
	15	Montreal	2
	16	Montreal	2
	1	New York	1
	2	Los Angeles	1
	3	Toronto	2
	4	Vancouver	2
	8	Montreal	2
	9	Montreal	2
	10	Montreal	2
	11	Montreal	2
	12	Montreal	2
	13	Montreal	2
	5	Montreal	2

EDIT	LOCATION_ID	CITY	COUNTRY_ID
	14	Montreal	2
	15	Montreal	2
	16	Montreal	2
	1	New York	1
	2	Los Angeles	1
	3	Toronto	2
	4	Vancouver	2
	8	Montreal	2
	9	Montreal	2
	10	Montreal	2
	17	Montreal	2
	18	Montreal	2
	19	Montreal	2
	11	Montreal	2
	12	Montreal	2

```
DECLARE
v_loc_id LOCATIONS.LOCATION_ID%TYPE;
BEGIN
SELECT MAX(LOCATION_ID) INTO v_loc_id FROM LOCATIONS
WHERE country_id = 2;
FOR i IN 1..3 LOOP
INSERT INTO LOCATIONS(LOCATION_ID, CITY, COUNTRY_ID)
VALUES((v_loc_id + i), 'Montreal', 2);
END LOOP;
END;
```

```
DECLARE
   v_lower NUMBER := 1;
   v_upper NUMBER := 100;
BEGIN
   FOR i IN v_lower..v_upper LOOP
      DBMS_OUTPUT.PUT_LINE('Value of i: ' || i);
   END LOOP;
END;

```


APEX
App Builder
SQL Workshop
Team Development
Gallery
SQL Scripts
Script Editor
Script Name
THIS DAY
DECLARE
v_loc_id LOCATIONS.LOCATION_ID%TYPE;
BEGIN
SELECT MAX(LOCATION_ID) INTO v_loc_id FROM LOCATIONS
WHERE country_id = 2;
FOR i IN 1..3 LOOP
INSERT INTO LOCATIONS(LOCATION_ID, CITY, COUNTRY_ID)
VALUES((v_loc_id + i), 'Montreal', 2);
END LOOP;
END;


Script: THIS DAY
Status: Complete
View: Detail Summary
Show: Statement Results Fee
BEGIN FOR v_outerloop IN 1..3 LOOP FOR v_innerloop IN REVERSE 1..5 LOOP
Outer loop is: 1 and inner loop is: 5
Outer loop is: 1 and inner loop is: 4
Outer loop is: 1 and inner loop is: 3
Outer loop is: 1 and inner loop is: 2
Outer loop is: 1 and inner loop is: 1
Outer loop is: 2 and inner loop is: 5
Outer loop is: 2 and inner loop is: 4
Outer loop is: 2 and inner loop is: 3
Outer loop is: 2 and inner loop is: 2
Outer loop is: 2 and inner loop is: 1
Outer loop is: 3 and inner loop is: 5
Outer loop is: 3 and inner loop is: 4
Outer loop is: 3 and inner loop is: 3
Outer loop is: 3 and inner loop is: 2
Outer loop is: 3 and inner loop is: 1
Statement processed. 0.01 seconds
Run By
IN_A816_PLSQL_S39
Parsing Schema
IN_A816_PLSQL_S39
Script Started
Tuesday, August 27, 2024