DECLARE

v\_myage NUMBER := 10;

BEGIN

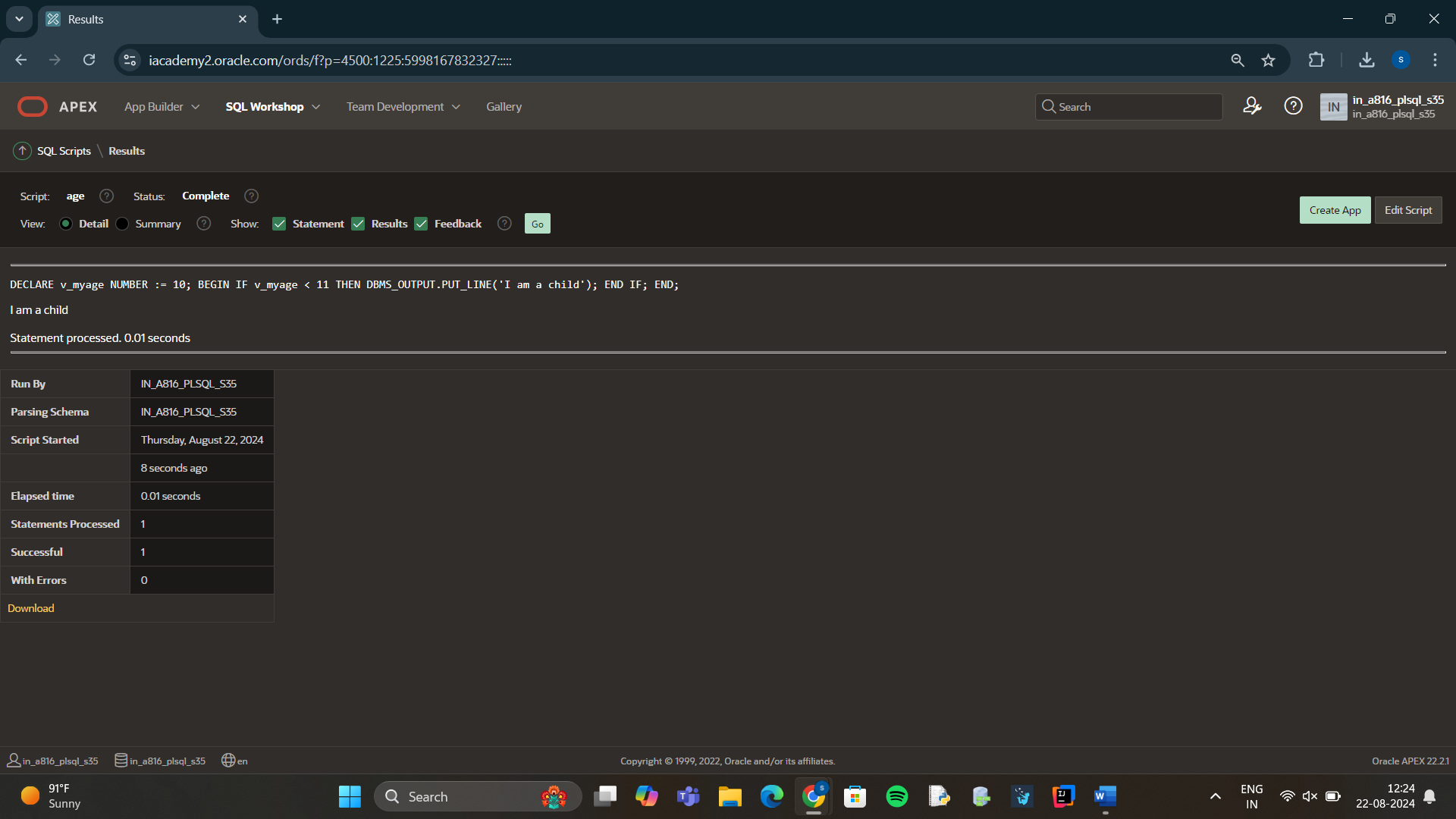
IF v\_myage < 11

THEN

DBMS\_OUTPUT.PUT\_LINE('I am a child');

END IF;

END;



DECLARE

v\_myage NUMBER:=12;

BEGIN

IF v\_myage < 11

THEN

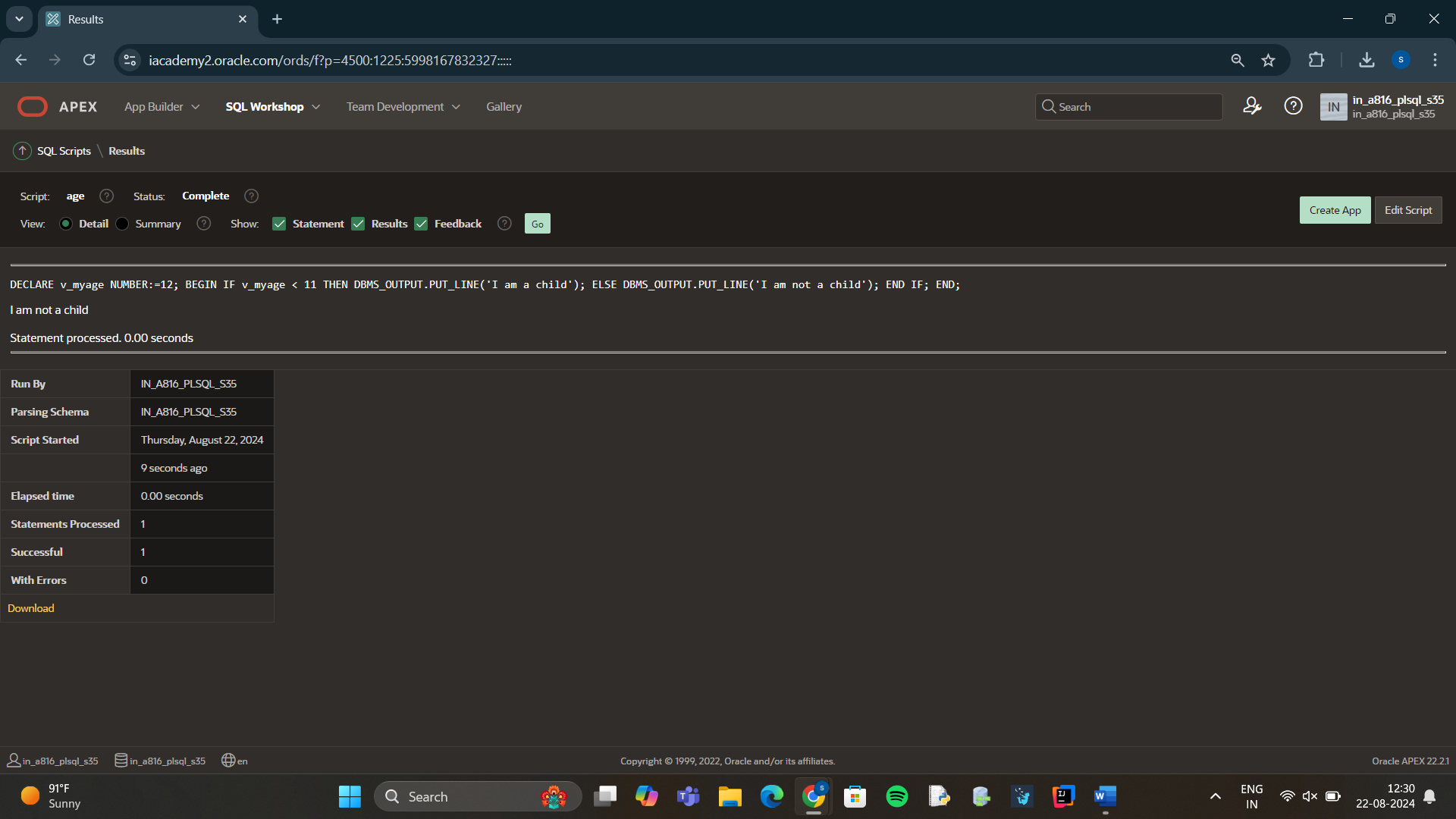
DBMS\_OUTPUT.PUT\_LINE('I am a child');

ELSE

DBMS\_OUTPUT.PUT\_LINE('I am not a child');

END IF;

END;



DECLARE

v\_myage NUMBER := 25;

BEGIN

IF v\_myage < 11

THEN

DBMS\_OUTPUT.PUT\_LINE('I am a child');

ELSIF v\_myage < 20

THEN

DBMS\_OUTPUT.PUT\_LINE('I am young');

ELSIF v\_myage < 30

THEN

DBMS\_OUTPUT.PUT\_LINE('I am in my twenties');

ELSIF v\_myage < 40

THEN

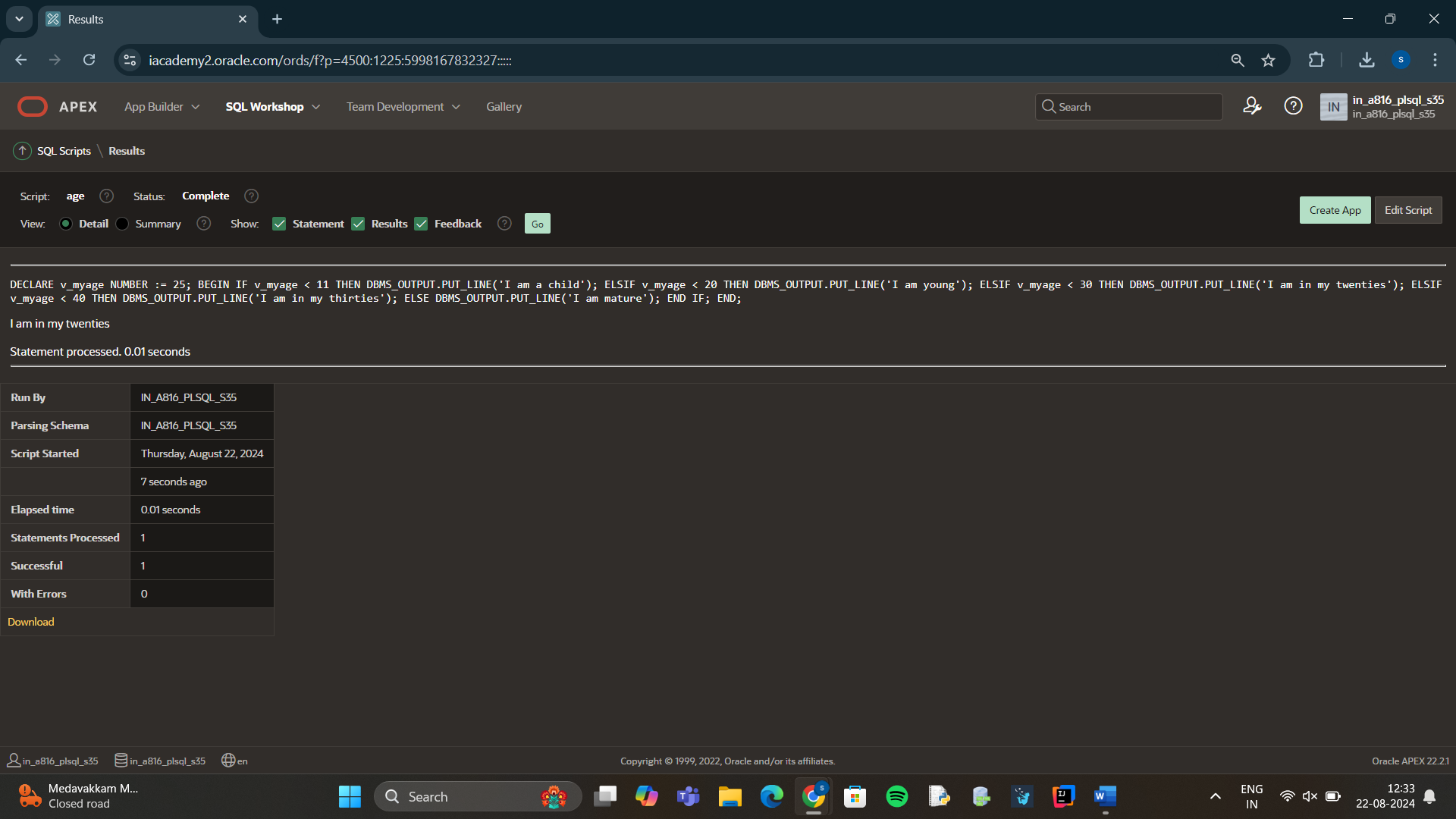
DBMS\_OUTPUT.PUT\_LINE('I am in my thirties');

ELSE

DBMS\_OUTPUT.PUT\_LINE('I am mature');

END IF;

END;



DECLARE

v\_myage NUMBER :=9;

v\_myfirstname VARCHAR2(11) := 'Christopher';

BEGIN

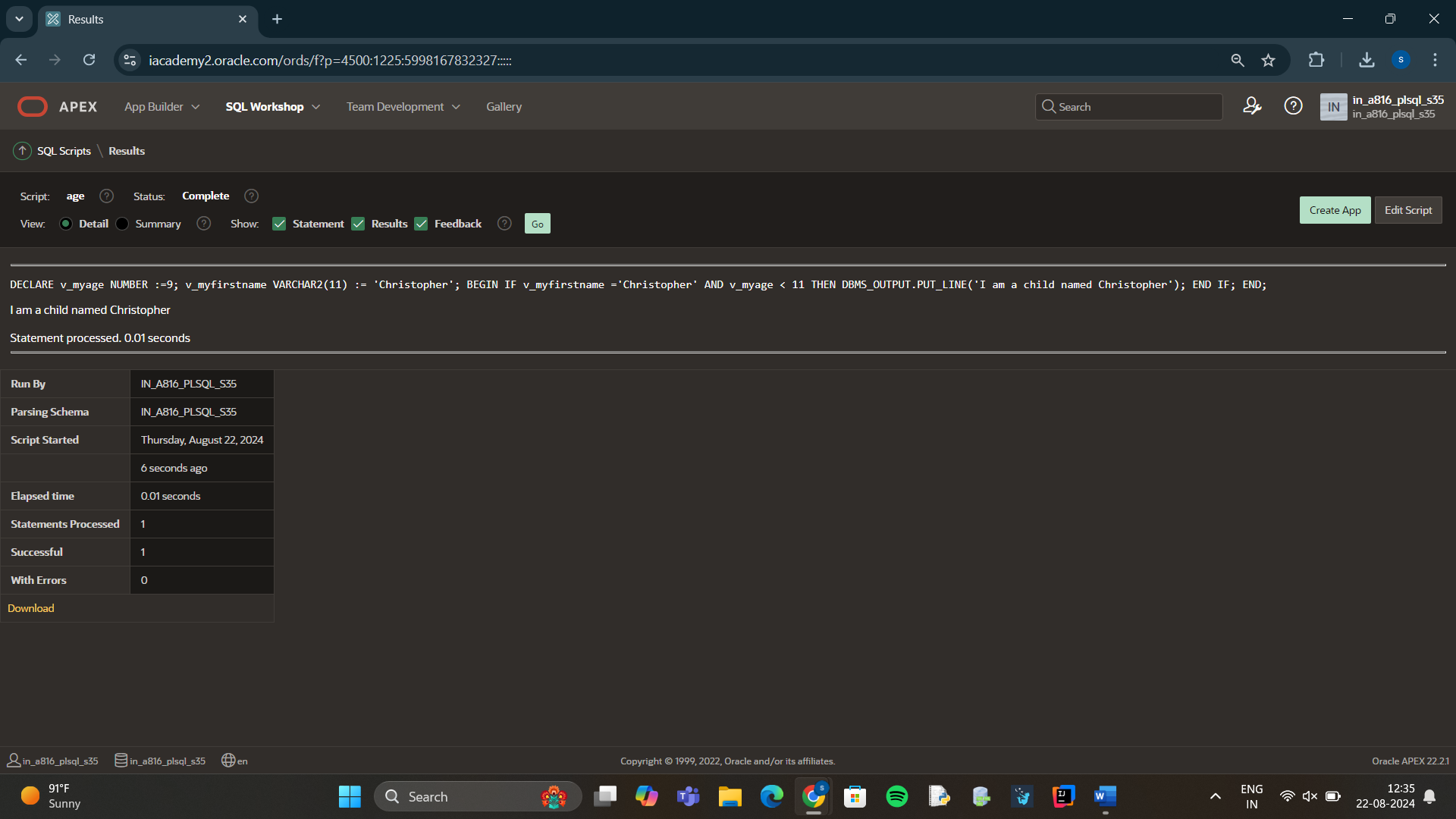
IF v\_myfirstname ='Christopher' AND v\_myage < 11

THEN

DBMS\_OUTPUT.PUT\_LINE('I am a child named Christopher');

END IF;

END;



DECLARE

v\_myage NUMBER;

BEGIN

IF v\_myage < 11

THEN

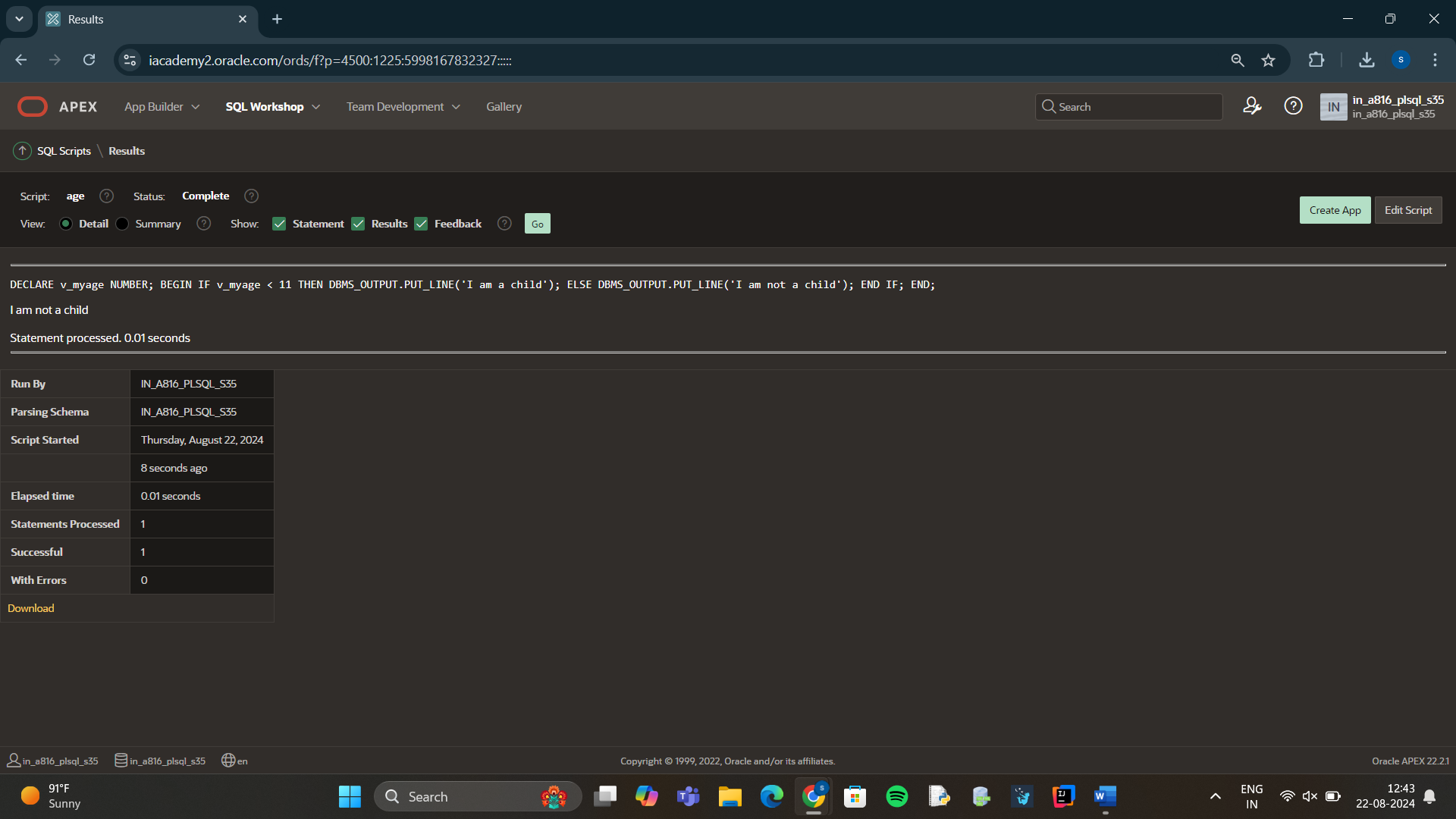
DBMS\_OUTPUT.PUT\_LINE('I am a child');

ELSE

DBMS\_OUTPUT.PUT\_LINE('I am not a child');

END IF;

END;



DECLARE

CURSOR my\_cursor IS

SELECT EMPLOYEE\_ID,DEPARTMENT\_ID,LAST\_NAME

FROM EMPLOYEE4

ORDER BY EMPLOYEE\_ID ASC;

my\_record my\_cursor%ROWTYPE;

BEGIN

OPEN my\_cursor;

LOOP

FETCH my\_cursor INTO my\_record;

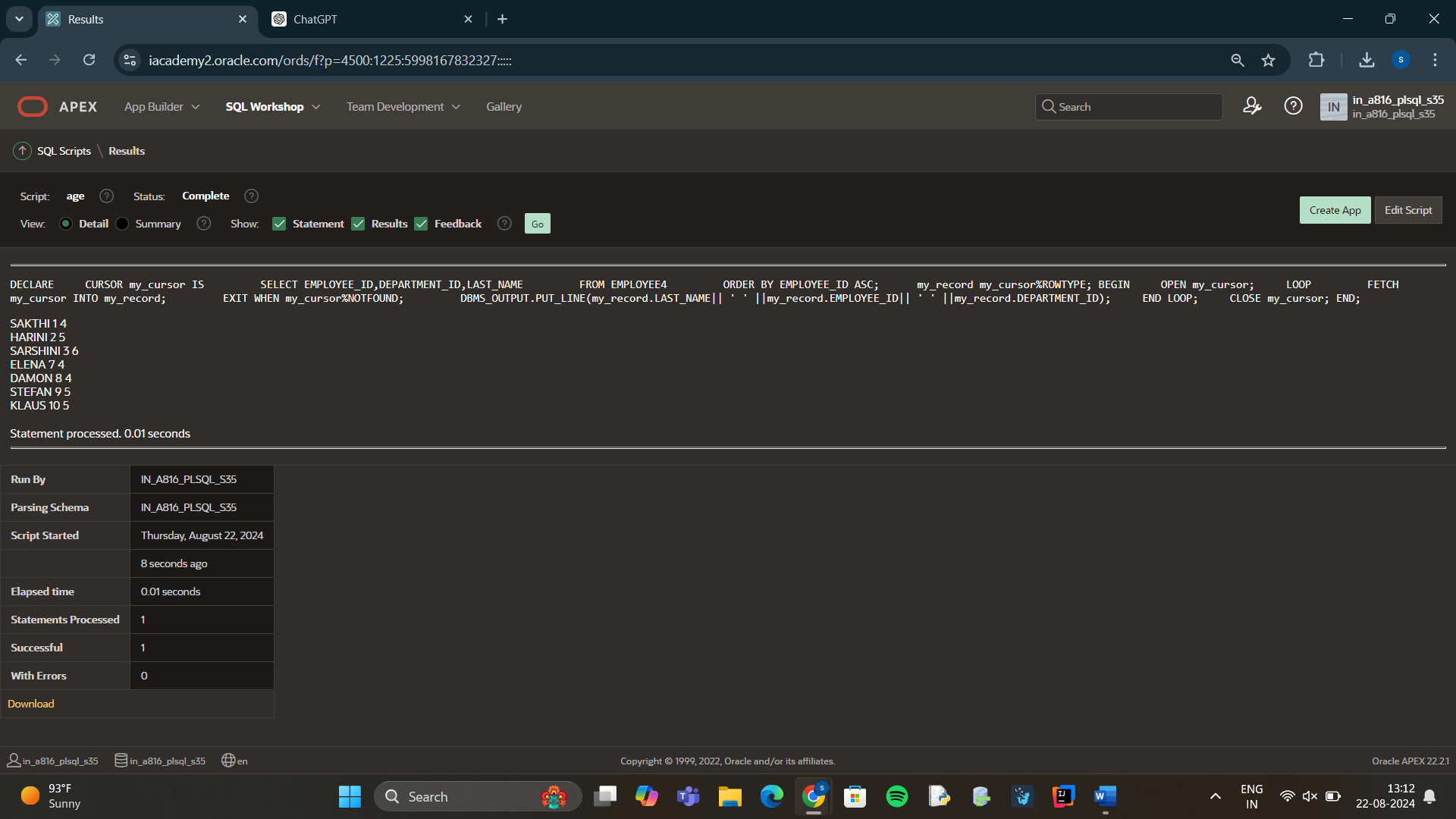
EXIT WHEN my\_cursor%NOTFOUND;

DBMS\_OUTPUT.PUT\_LINE(my\_record.LAST\_NAME|| ' ' ||my\_record.EMPLOYEE\_ID|| ' ' ||my\_record.DEPARTMENT\_ID);

END LOOP;

CLOSE my\_cursor;

END;



DECLARE

TYPE num\_list\_type IS TABLE OF NUMBER INDEX BY BINARY\_INTEGER;

v\_nums num\_list\_type;

BEGIN

v\_nums(1) := 1;

v\_nums(2) := 3;

v\_nums(3) := 5;

v\_nums(4) := 7;

v\_nums(5) := 11;

FORALL i IN v\_nums.FIRST .. v\_nums.LAST

INSERT INTO num\_table (n) VALUES (v\_nums(i));

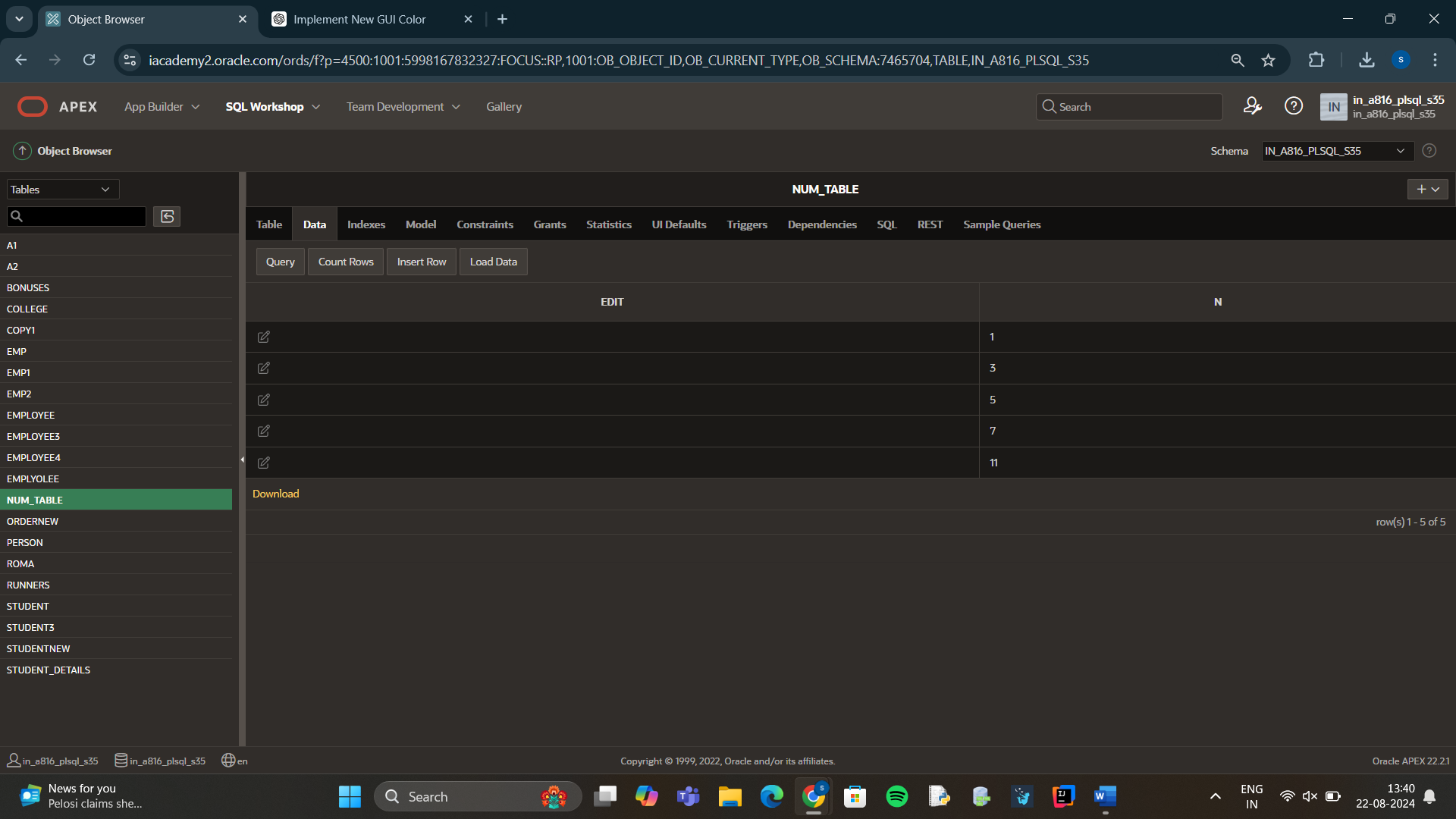
FOR i IN v\_nums.FIRST .. v\_nums.LAST

LOOP

DBMS\_OUTPUT.PUT\_LINE('Inserted ' || SQL%BULK\_ROWCOUNT(i) || ' row(s) on iteration ' || i);

END LOOP;

END;



DECLARE

TYPE num\_list\_type IS TABLE OF NUMBER INDEX BY BINARY\_INTEGER;

v\_x num\_list\_type;

v\_y num\_list\_type;

v\_z NUMBER;

BEGIN

v\_x(1) := 1;

v\_x(2) := 3;

v\_x(3) := 5;

v\_x(4) := 7;

v\_x(5) := 11;

v\_y(1) := 2;

v\_y(2) := 4;

v\_y(3) := 6;

v\_y(4) := 8;

v\_y(5) := 12;

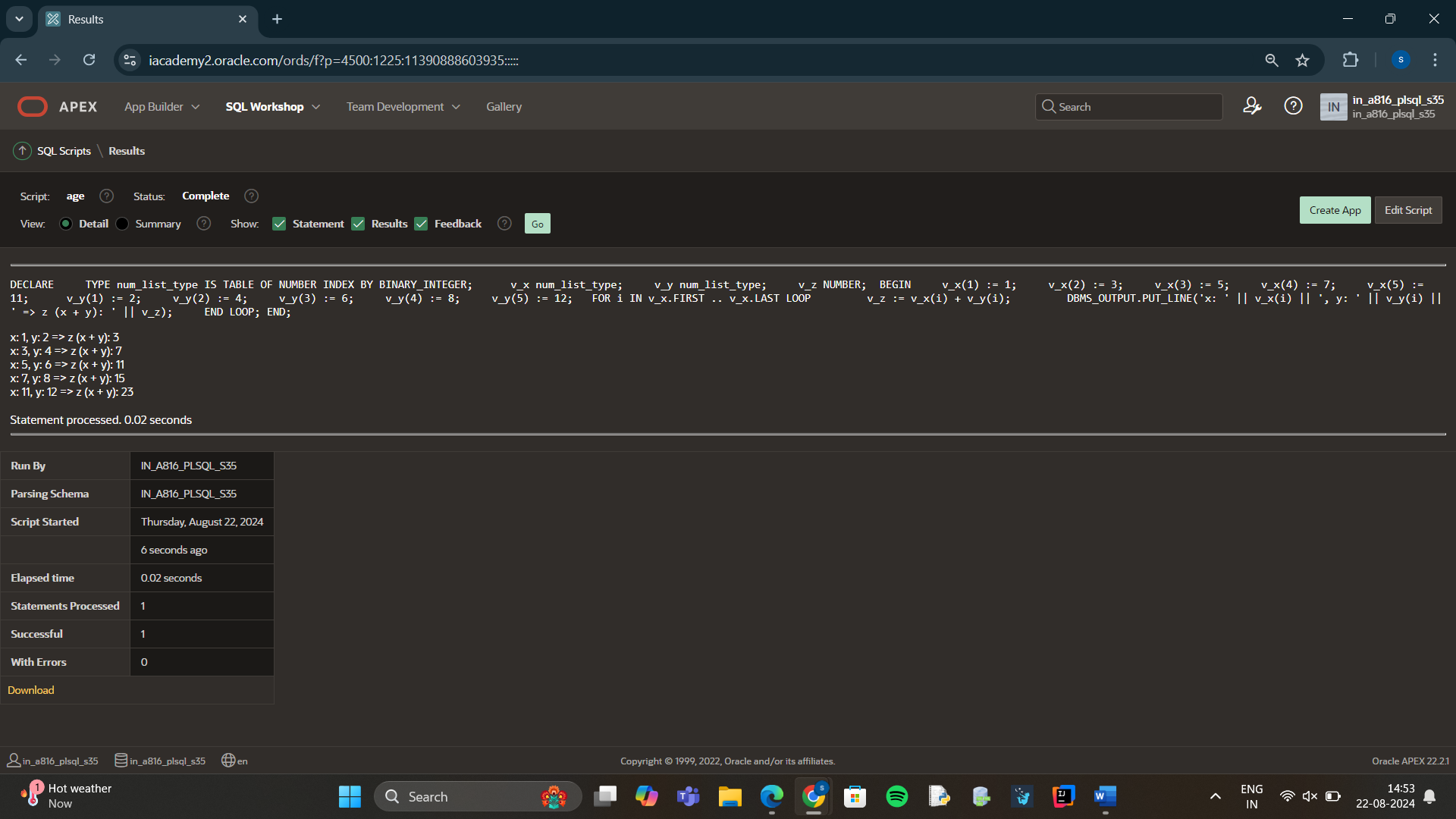
FOR i IN v\_x.FIRST .. v\_x.LAST LOOP

v\_z := v\_x(i) + v\_y(i);

DBMS\_OUTPUT.PUT\_LINE('x: ' || v\_x(i) || ', y: ' || v\_y(i) || ' => z (x + y): ' || v\_z);

END LOOP;

END;



DECLARE

a number(2) := 30;

BEGIN

<<loopstart>>

-- while loop execution

WHILE a < 50 LOOP

dbms\_output.put\_line ('value of a: ' || a);

a := a + 1;

IF a = 35 THEN

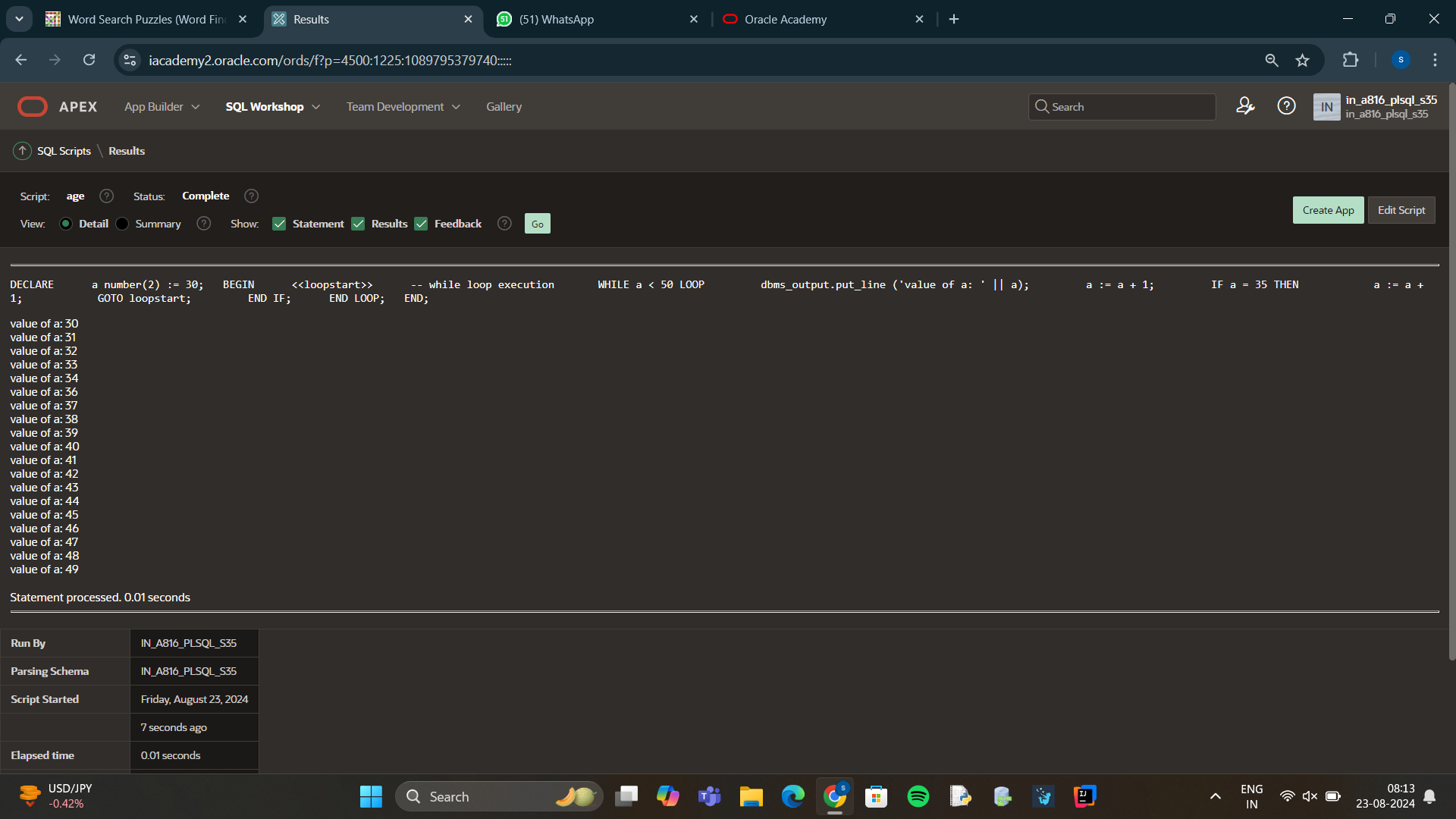
a := a + 1;

GOTO loopstart;

END IF;

END LOOP;

END;



DECLARE

dividend NUMBER := 10;

divisor NUMBER := 0;

result NUMBER;

BEGIN

BEGIN

result := dividend / divisor;

DBMS\_OUTPUT.PUT\_LINE('Result: ' || result);

EXCEPTION

WHEN ZERO\_DIVIDE THEN

DBMS\_OUTPUT.PUT\_LINE('Error: Division by zero');

END;

END;

