--2. Try writing a cursor query which I executed in the training

--This cursor will iterate through products and adjust prices based on units in stock

CREATE OR REPLACE PROCEDURE update\_prices\_with\_cursor()

LANGUAGE plpgsql

AS $$

DECLARE

product\_cursor CURSOR FOR

SELECT product\_id,product\_name,unit\_price,units\_in\_stock

FROM products

WHERE discontinued =0 ;

product\_record RECORD;

v\_new\_price DECIMAL(10,2);

BEGIN

--open the cursor

OPEN product\_cursor;

LOOP

**--fetch the next row**

FETCH product\_cursor INTO product\_record;

--Exit whn no more rows to fetch

EXIT WHEN NOT FOUND;

**--calculate new price**

IF product\_record.units\_in\_stock < 10 THEN

v\_new\_price := product\_record.unit\_price \* 1.1;-- 10% increase

ELSE

v\_new\_price := product\_record.unit\_price \* 0.95;-- 5% increase

END IF;

**--update the product**

UPDATE products

SET unit\_price = ROUND (v\_new\_price,2)

WHERE product\_id =product\_record.product\_id;

**--log the change**

RAISE NOTICE 'updated% price from % to %',

product\_record.product\_name,

product\_record.unit\_price,

v\_new\_price;

END LOOP;

**-- close the cursor**

CLOSE product\_cursor;

END;

$$;

**--TO execute:**

CALL update\_prices\_with\_cursor();

