<PostgreSQL - cs421> Script-7

```
* A stored procuedure that ensures that no two employees have the same company email.
* It does this by defining a cursur to the emails of the employees, and interating
* through them. If two company emails are identical, the second duplicate is changed by
 * appending the digit <1> to the end of the email address.
 * For example, if two emails <jeff1@amazon.com> are in the database under twoo employees'
 * then the second will be changed to <jeff11@amazon.com.>
DO $$DECLARE
-- Keep track of previous email you've seen
prev_email VARCHAR(100) := '';
-- A record to insert rows into
 rec_emails RECORD;
 rec_first_email RECORD;
-- Cursor to fetche emails, in order
 cursor_emails CURSOR
 FOR
    SELECT p.email, p.pid
    FROM person p
    INNER JOIN employee e
        ON p.pid = e.pid
    ORDER BY 1:
cursor_first_email CURSOR
 FOR
    SELECT p.email, p.pid
    FROM person p
    INNER JOIN employee e
        ON p.pid = e.pid
    ORDER BY 1
    LIMIT 1:
-- A text variable to store the update statments
update_statement text := '';
BEGIN
 -- Get the first eimal
  OPEN cursor_first_email:
   FETCH cursor_first_email into rec_first_email;
   prev_email = rec_first_email.email;
   -- Open the cursor
   OPEN cursor_emails;
   L<sub>00</sub>P
    -- fetch row into the film
      FETCH cursor_emails INTO rec_emails;
    -- exit when no more row to fetch
     EXIT WHEN NOT FOUND;
    -- build the output
      IF rec_emails.email = prev_email THEN
        -- Build the update statement
         update_statement := 'update person set email = ' | |
                quote_literal(split_part(rec_emails.email, '@', 1) || '1' || '@' ||
split_part(rec_emails.email, '@', 2)) ||
```