```
CREATE OR REPLACE FUNCTION checkPesananSelsai()
                 RETURNS trigger AS
             $$
             DECLARE
                           double precision;
                 dfee
                           double precision;
                 ffee
                           varchar(50);
                 cid
                 restname varchar(50);
                 restbranch varchar(25);
             BEGIN
                 -- check if status = 'Pesanan Selesai'
                 IF (NEW.tsid = (SELECT id
                                FROM transaction_status
                                WHERE name = 'Pesanan Selesai')) THEN
                     -- get delivery fee
                     SELECT deliveryfee, totalfood, courierid
                     INTO dfee, ffee, cid
                     FROM transaction
                     WHERE email = NEW.email
                       AND datetime = NEW.datetime;
                     -- update courier's RestoPay
                     UPDATE transaction_actor
                     SET restopay = restopay + dfee
                     WHERE email = cid;
                     -- get restaurant's pk
                     SELECT rname, rbranch
                     INTO restname, restbranch
                     FROM transaction_food
                     WHERE email = NEW.email
                       AND datetime = NEW.datetime;
                     -- update restaurant's RestoPay
                     UPDATE transaction_actor
                     SET restopay = restopay + ffee
                     WHERE email = (SELECT r.email
                                   FROM restaurant r
                                    WHERE rname = restname
                                     AND rbranch = restbranch);
                 END IF;
                 RETURN NEW;
             END;
              $$ LANGUAGE plpgsql
[2022-11-21 22:22:07] completed in 29 ms
```

```
> CREATE OR REPLACE FUNCTION checkUserPassword()
                  RETURNS trigger AS
              $$
              BEGIN
                 -- check if password contains uppercase and numeric
                  IF ((SELECT COUNT(*) FROM REGEXP_MATCHES(NEW.password, '[0-9]', 'g')) < 1)</pre>
                     OR ((SELECT COUNT(*) FROM REGEXP_MATCHES(NEW.password, '[A-Z]', 'g')) < 1)
                  THEN
                     RAISE EXCEPTION 'Password harus terdapat minimal 1 huruf kapital dan 1 angka.';
                  END IF;
                  RETURN NEW;
              END;
              $$ LANGUAGE plpgsql
[2022-11-21 22:03:56] completed in 33 ms
   22a004.tk_a4> CREATE TRIGGER checkUserPasswordTrigger
                  AFTER INSERT OR UPDATE
                  ON user_acc
                  FOR EACH ROW
               EXECUTE PROCEDURE checkUserPassword()
[2022-11-21 21:48:14] completed in 24 ms
```

db22a004.tk\_a4> CREATE TRIGGER checkRestaurantCategoryTrigger

BEFORE INSERT

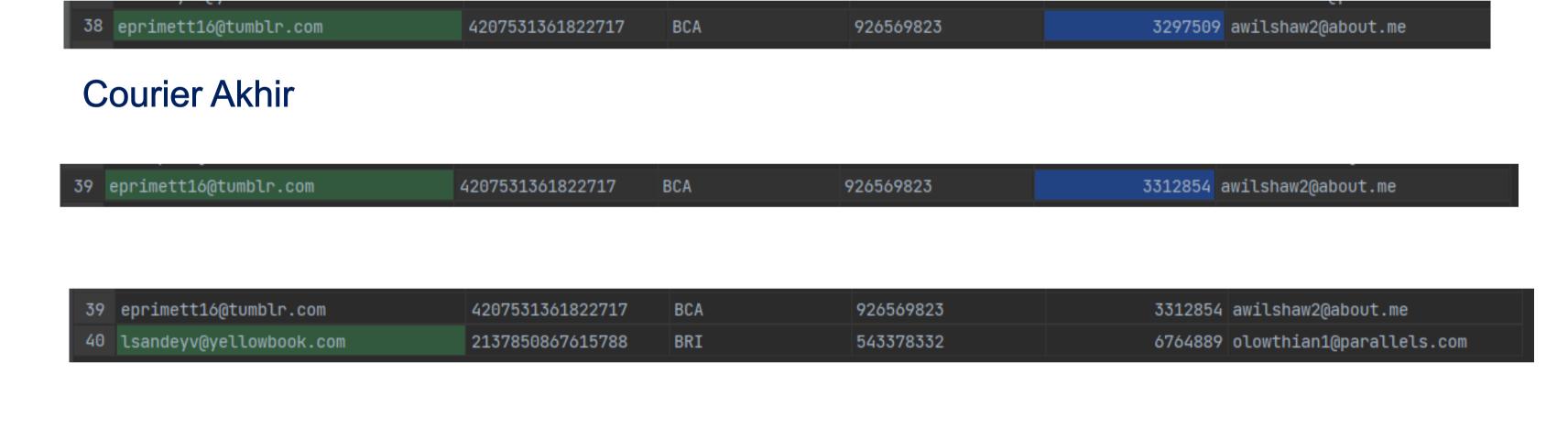
ON transaction\_history

FOR EACH ROW

EXECUTE PROCEDURE checkRestaurantCategory()

[2022-11-20 01:07:39] completed in 105 ms

## **Courier Awal**



## Resto Awal

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## Resto Akhir

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