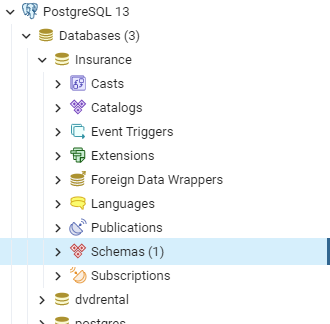
NAME: \_\_\_\_\_JACKSON LIN\_\_\_\_\_\_

UNIT 5 MINI PROJECT

Create an Insurance Database



Create Insurance Tables

CREATE TABLE claim

(

Claim\_ID\_Number bigserial NOT NULL,

Claim\_Receipt\_Date date,

Claim\_Description text,

Claimant\_Birth\_Date date,

Law\_Suit\_Indicator boolean,

Claimant\_First\_Name text NOT NULL,

Claimant\_Last\_Name text NOT NULL,

Policy\_Number text,

Claimant\_Occupation text,

Loss\_Date date,

Claim\_Amount money,

Claim\_Paid\_Amount money,

Claim\_Paid\_Date date

PRIMARY KEY (Claim\_ID\_Number)

);

CREATE TABLE public.Customer(

Customer\_ID\_Number bigserial,

Customer\_First\_Name text,

Customer\_Last\_Name text,

Customer\_Type text,

Business\_Name text,

Address\_Street\_Name\_Line\_One text,

Address\_Street\_Name\_Line\_Two text,

Address\_City text,

Address\_State text,

Address\_Postal\_Code int,

Address\_Type text,

Customer\_Birth\_Date text,

Risk\_Score int,

PRIMARY KEY (Customer\_ID\_Number)

);

CREATE TABLE public.policy\_detail(

Customer\_ID\_Number bigserial,

Policy\_Number text,

Policy\_Effective\_Date text,

Policy\_Expiration\_Date text,

Policy\_Limit money,

Policy\_Type text,

Currency\_Type text,

Premium\_Cost money,

PRIMARY KEY (Policy\_Number)

);

CREATE TABLE public.Reserves(

Customer\_ID\_Number text,

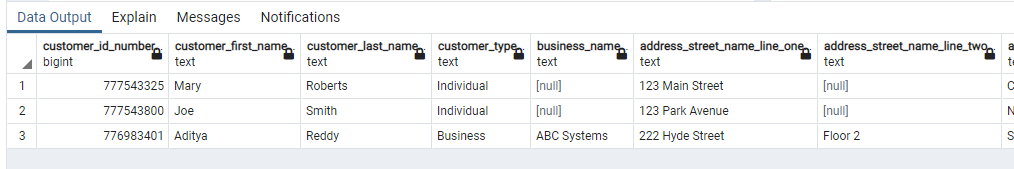
Policy\_Number text,

Reserved\_Amount money NOT NULL,

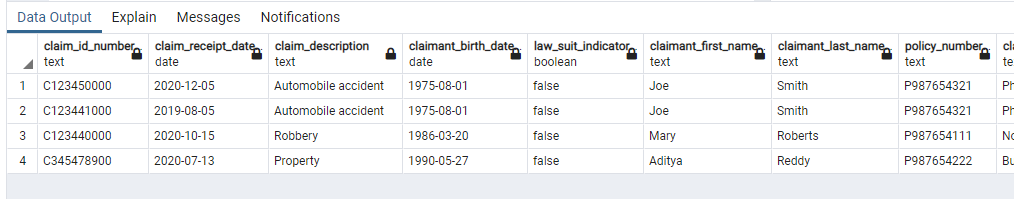
Reserved\_Date text

);

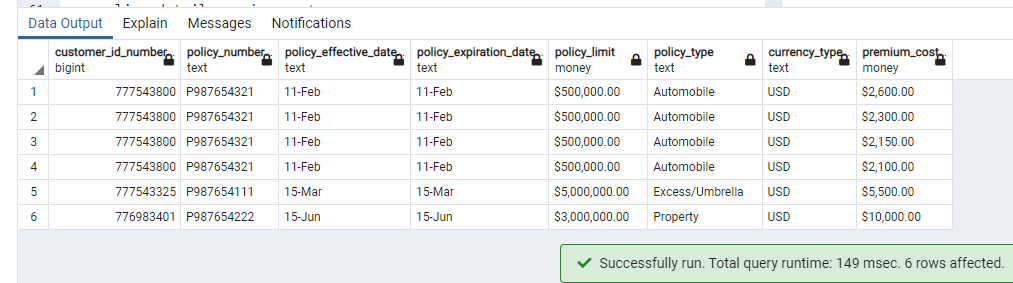
SELECT \* FROM customer;



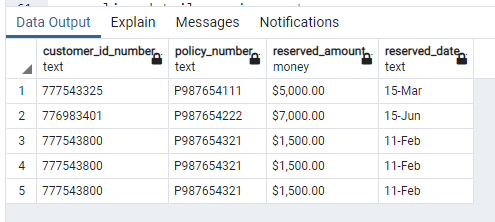
SELECT \* FROM claim



SELECT \* FROM policy\_detail;



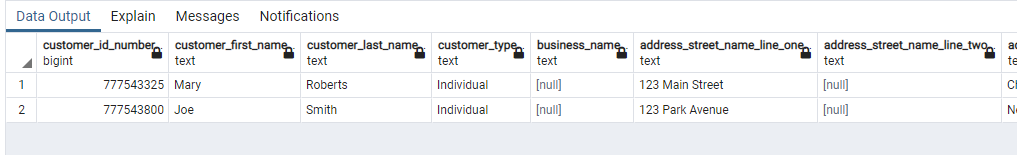
SELECT \* FROM reserves;



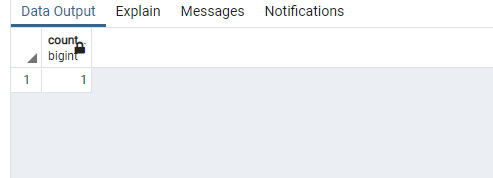
|  |  |  |
| --- | --- | --- |
| **TABLE** | **PRIMARY KEYS** | **FOREIGN KEYS** |
| Claim | Claim\_ID\_Number | Policy\_Number |
| Customer | Customer\_ID\_Number | n/a |
| Policy\_Details | Policy\_Number | Customer\_ID\_Number |
| Reserves | n/a | Customer\_ID\_Number, Policy\_Number |

Form any 5 SQL to extract information from tables:

SELECT \* FROM customer WHERE customer\_type = 'Individual';



SELECT COUNT(\*) FROM customer WHERE customer\_type = 'Business';



SELECT DISTINCT

policy\_detail.policy\_number,

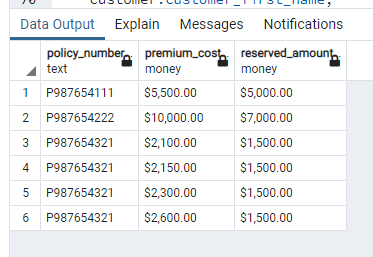
policy\_detail.premium\_cost,

reserves.reserved\_amount

FROM policy\_detail

INNER JOIN reserves

ON policy\_detail.policy\_number = reserves.policy\_number;



SELECT DISTINCT

claim.claim\_id\_number,

policy\_detail.policy\_number,

customer.customer\_first\_name,

customer.customer\_last\_name,

claim.claim\_amount,

claim.claim\_paid\_amount

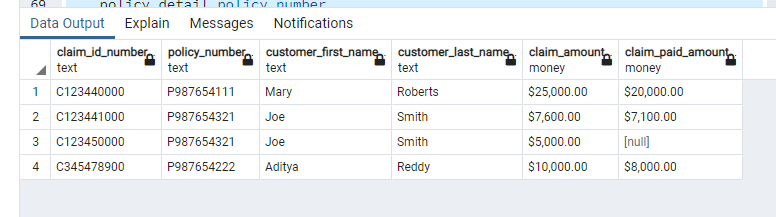
FROM claim

LEFT JOIN policy\_detail

ON claim.policy\_number = policy\_detail.policy\_number

LEFT JOIN customer

ON customer.customer\_id\_number = policy\_detail.customer\_id\_number;



SELECT DISTINCT

policy\_detail.customer\_id\_number,

policy\_detail.policy\_number,

policy\_detail.policy\_effective\_date,

policy\_detail.policy\_limit,

policy\_detail.policy\_type,

policy\_detail.premium\_cost,

reserves.reserved\_amount,

reserves.reserved\_date

FROM policy\_detail

INNER JOIN reserves

ON policy\_detail.policy\_number = reserves.policy\_number;

