

## ADDED FOREIGN KEYS IN TABLES

```
PRATIK@PAT MINGW64 /c/Program Files/PostgreSQL/12/bin
$ psql -d paymentgatewaydb -p 5522 -U dbuser
psql (12.3)
WARNING: Console code page (437) differs from Windows code page (1252)
        8-bit characters might not work correctly. See psql reference
        page "Notes for Windows users" for details.
Type "help" for help.
```

```
paymentgatewaydb=# \dt
               List of relations
 Schema |      Name      | Type  | Owner
-----+-----+-----+-----
 public | bank            | table | dbuser
 public | bill            | table | dbuser
 public | invoice         | table | dbuser
 public | merchants       | table | dbuser
 public | payment         | table | dbuser
 public | receiver_info   | table | dbuser
 public | reward          | table | dbuser
 public | sender_info     | table | dbuser
 public | transaction      | table | dbuser
 public | users           | table | dbuser
(10 rows)
```

```
paymentgatewaydb=# \d bank
               Table "public.bank"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
 bank_id      | integer        |           | not null | nextval('bank_bank_id_seq'::regclass)
 bank_name    | character(25)  |           |          |
Indexes:
    "bank_pkey" PRIMARY KEY, btree (bank_id)
Foreign-key constraints:
    "bank_name" FOREIGN KEY (bank_name) REFERENCES users(bank_name)
    "bank_name_uni" FOREIGN KEY (bank_name) REFERENCES merchants(bank_name)
```

```
paymentgatewaydb=# \d bill
               Table "public.bill"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
 category     | text           |           |          |
 mobile_no    | numeric(15,0)  |           |          |
 transaction_id | integer       |           |          |
 payment_id   | integer       |           |          |
 dates        | date           |           |          |
 amount       | numeric(10,10) |           |          |
 status       | character(50)  |           |          |
Foreign-key constraints:
    "transaction_un" FOREIGN KEY (transaction_id) REFERENCES transaction(transaction_id)
```

```
paymentgatewaydb=# \d invoice
               Table "public.invoice"
  Column      |      Type      | Collation | Nullable |      Default
-----+-----+-----+-----+-----
 invoice_id   | integer        |           | not null | nextval('invoice_invoice_id_seq'::regclass)
 payment_id   | integer        |           |          |
 transaction_id | integer       |           |          |
 amount       | numeric(5,5)   |           |          |
 name         | character(25)  |           |          |
 mobile_no    | numeric(15,0)  |           |          |
 dates        | date           |           |          |
 email_id     | text           |           |          |
Indexes:
    "invoice_pkey" PRIMARY KEY, btree (invoice_id)
Foreign-key constraints:
    "payment_id_uni" FOREIGN KEY (invoice_id) REFERENCES invoice(invoice_id)
Referenced by:
    TABLE "invoice" CONSTRAINT "payment_id_uni" FOREIGN KEY (invoice_id) REFERENCES invoice(invoice_id)
```

paymentgatewaydb=# \d merchants

Table "public.merchants"				
Column	Type	Collation	Nullable	Default
merchant_id	integer		not null	nextval('merchants_merchant_id_seq'::regclass)
name	character(25)			
mobile_no	numeric(15,0)			
bank_name	character(25)			
bank_acc	character varying(25)			
ifsc_code	character varying(25)			
amount	numeric(10,10)			
email_id	text			
password	character varying(25)			
pin	numeric(5,0)			

Indexes:

"merchants\_pkey" PRIMARY KEY, btree (merchant\_id)  
"bank\_name\_uni" UNIQUE CONSTRAINT, btree (bank\_name)  
"mobile\_no\_uniq" UNIQUE CONSTRAINT, btree (mobile\_no)

Referenced by:

TABLE "bank" CONSTRAINT "bank\_name\_uni" FOREIGN KEY (bank\_name) REFERENCES merchants(bank\_name)  
TABLE "transaction" CONSTRAINT "mobile\_no\_uniq" FOREIGN KEY (mobile\_no) REFERENCES merchants(mobile\_no)

paymentgatewaydb=# \d payment

		Table "public.payment"			
Column	Type	Collation	Nullable	Default	
payment_id	integer		not null	nextval('payment_payment_id_seq'::regclass)	
transaction_id	integer				
mobile_no	numeric(15,0)				
bank_name	character(25)				
bank_acc	character varying(25)				
name	character(25)				
amount	numeric(10,10)				
category	text				
sender_id	integer				
receiver_id	integer				
dates	date				
sender	character(25)				
receiver	character(25)				
coupon_id	integer				
status	character(50)				

Indexes:

"payment\_pkey" PRIMARY KEY, btree (payment\_id)  
"payment\_id\_un" UNIQUE CONSTRAINT, btree (payment\_id)  
"payment\_id\_uni" UNIQUE CONSTRAINT, btree (payment\_id)

Foreign-key constraints:

"transaction\_unique" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)

```
paymentgatewaydb=# \d receiver_info
```

Table "public.receiver_info"				
Column	Type	Collation	Nullable	Default
receiver_id	integer		not null	nextval('receiver_info_receiver_id_seq'::regclass)
name	character(25)			
mobile_no	numeric(15,0)			
bank_acc	character varying(25)			
payment_id	integer			
transaction_id	integer			
amount	numeric(10,10)			
dates	date			

Indexes:

"receiver\_info\_pkey" PRIMARY KEY, btree (receiver\_id)

Foreign-key constraints:

"transaction\_id\_u" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)

```
paymentgatewaydb=# \d reward
```

Table "public.reward"				
Column	Type	Collation	Nullable	Default
coupon_id	integer		not null	nextval('reward_coupon_id_seq'::regclass)
transaction_id	integer			
payment_id	integer			
amount	numeric(5,5)			
name	character(25)			
mobile_no	numeric(15,0)			
dates	date			

Indexes:

"reward\_pkey" PRIMARY KEY, btree (coupon\_id)

Foreign-key constraints:

"payment\_id\_un" FOREIGN KEY (payment\_id) REFERENCES reward(coupon\_id)

Referenced by:

TABLE "reward" CONSTRAINT "payment\_id\_un" FOREIGN KEY (payment\_id) REFERENCES reward(coupon\_id)

```
paymentgatewaydb=# \d sender_info
```

Table "public.sender_info"				
Column	Type	Collation	Nullable	Default
sender_id	integer		not null	nextval('sender_info_sender_id_seq'::regclass)
name	character(25)			
mobile_no	numeric(15,0)			
bank_acc	character varying(25)			
payment_id	integer			
transaction_id	integer			
amount	numeric(10,10)			
dates	date			

Indexes:

"sender\_info\_pkey" PRIMARY KEY, btree (sender\_id)

Foreign-key constraints:

"transaction\_id\_un" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)

paymentgatewaydb=# \d transaction

Table "public.transaction"				
Column	Type	Collation	Nullable	Default
transaction_id	integer		not null	nextval('transaction_transaction_id_seq'::regclass)
payment_id	integer			
mobile_no	numeric(15,0)			
bank_name	character(25)			
bank_acc	character varying(25)			
name	character(25)			
amount	numeric(10,10)			
category	text			
sender_id	integer			
receiver_id	integer			
dates	date			
cashback_reward	numeric(5,5)			

Indexes:

"transaction\_pkey" PRIMARY KEY, btree (transaction\_id)  
"transaction\_id\_u" UNIQUE CONSTRAINT, btree (transaction\_id)  
"transaction\_id\_un" UNIQUE CONSTRAINT, btree (transaction\_id)  
"transaction\_id\_uni" UNIQUE CONSTRAINT, btree (transaction\_id)  
"transaction\_id\_uniq" UNIQUE CONSTRAINT, btree (transaction\_id)  
"transaction\_id\_unique" UNIQUE CONSTRAINT, btree (transaction\_id)  
"transaction\_un" UNIQUE CONSTRAINT, btree (transaction\_id)

Foreign-key constraints:

"mobile\_no\_uniq" FOREIGN KEY (mobile\_no) REFERENCES merchants(mobile\_no)  
"mobile\_no\_unique" FOREIGN KEY (mobile\_no) REFERENCES users(mobile\_no)  
"transaction\_uniquw" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)

Referenced by:

TABLE "receiver\_info" CONSTRAINT "transaction\_id\_u" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)  
TABLE "sender\_info" CONSTRAINT "transaction\_id\_un" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)  
TABLE "bill" CONSTRAINT "transaction\_un" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)  
TABLE "payment" CONSTRAINT "transaction\_unique" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)  
TABLE "transaction" CONSTRAINT "transaction\_uniquw" FOREIGN KEY (transaction\_id) REFERENCES transaction(transaction\_id)

paymentgatewaydb=# \d users

Table "public.users"				
Column	Type	Collation	Nullable	Default
user_id	integer		not null	nextval('users_user_id_seq'::regclass)
name	character(25)			
mobile_no	numeric(15,0)			
bank_name	character(25)			
bank_acc	character varying(25)			
ifsc_code	character varying(25)			
amount	numeric(10,10)			
email_id	text			
password	character varying(25)			
pin	numeric(5,0)			

Indexes:

"users\_pkey" PRIMARY KEY, btree (user\_id)  
"bank\_name" UNIQUE CONSTRAINT, btree (bank\_name)  
"mobile\_no\_unique" UNIQUE CONSTRAINT, btree (mobile\_no)

Referenced by:

TABLE "bank" CONSTRAINT "bank\_name" FOREIGN KEY (bank\_name) REFERENCES users(bank\_name)  
TABLE "transaction" CONSTRAINT "mobile\_no\_unique" FOREIGN KEY (mobile\_no) REFERENCES users(mobile\_no)