**Table schemas**

Deliveries(delivery\_id,delivery\_order\_id,driver\_id,delivery\_distance\_meters,delivery\_status)

PK=delivery\_id

FK=delivery\_order\_id ->orders(delivery\_order\_id)

FK=driver\_id->drivers(driver\_id)

Drivers(driver\_id,driver\_modal,driver\_type)

PK=driver\_id

Hubs(hub\_id,hub\_name,hub\_city,hub\_state,hub\_latitude,hub\_longitude)

PK=hub\_id

Orders(order\_id,store\_id,hub\_id,store\_name,store\_segment,store\_plan\_price,store\_latitude,store\_longitude,payment\_order\_id,delivery\_order\_id,order\_status,order\_amount,order\_delivery\_fee,order\_delivery\_cost,order\_created\_hour,order\_created\_minute,order\_created\_day,order\_created\_month,order\_created\_year,order\_moment\_created,order\_moment\_accepted,order\_moment\_ready,order\_moment\_collected,order\_moment\_in\_expedition,order\_moment\_delivering,order\_moment\_delivered,order\_moment\_finished,order\_metric\_collected\_time,order\_metric\_paused\_time,order\_metric\_production\_time,order\_metric\_walking\_time,order\_metric\_expediton\_speed\_time,order\_metric\_transit\_time,order\_metric\_cycle\_time)

PK=order\_id

FK=hub\_id -> hubs(hub\_id)

FK=payment\_order\_id ->payments(payment\_order\_id)

FK=channel\_id ->channel(channel\_id)

channel(channel\_id,channel\_name,channel\_type)

PK=channel\_id

Payments(payment\_id,payment\_order\_id,payment\_amount,payment\_fee,payment\_method,payment\_status)

PK=payment\_id

**Table creation statements**

Create table deliveries(

delivery\_id int identity,

delivery\_order\_id int,

driver\_id int,

delivery\_distance\_meters int notnull,

delivery\_status varchar 100,

Constraint deliverypk primary key(delivery\_id),

Constraint deordfk foreign key(delivery\_order\_id) reference orders(delivery\_order\_id),

Constraint driverfk foreign key(driver\_id) reference drivers(driver\_id));

Create table drivers(

driver\_id int identity,

driver\_modal varchar 50 notnull,

driver\_type varchar 100 notnull,

Constraint driverpk (driver\_id));

Create table hubs(

hub\_id int identity,

hub\_name varchar 100 notnull,

hub\_city varchar 100 noy null,

hub\_state varchar 50 notnull,

hub\_latitude float,

hub\_longitude float,

Constraint hubpk (hub\_id));

Create table orders(

order\_id int identity,

store\_id int,

hub\_id int,

store\_name varchar 100,

store\_segment varchar 50,

store\_plan\_price float ,

store\_latitude float,

store\_longitude float,

payment\_order\_id int,

delivery\_order\_id int,

order\_status varchar 100,

order\_amount float,

order\_delivery\_fee float,

order\_delivery\_cost float,

order\_created\_hour int,

order\_created\_minute int,

order\_created\_day int,

order\_created\_month int,

order\_created\_year int,

order\_moment\_created date,

order\_moment\_accepted date,

order\_moment\_ready date,

order\_moment\_collected date,

order\_moment\_in\_expedition date,

order\_moment\_delivering date,

order\_moment\_delivered date,

order\_moment\_finished date,

order\_metric\_collected\_time float,

order\_metric\_paused\_time float,

order\_metric\_production\_time float,

order\_metric\_walking\_time float,

order\_metric\_expediton\_speed\_time float,

order\_metric\_transit\_time float,

order\_metric\_cycle\_time float,

Constraint orderpk primary key(order\_id),

Constraint hubidfk foreign key(hub\_id) reference hubs(hub\_id),

Constraint paymentorderid foreign key(payment\_order\_id) reference payments (payment\_order\_id),

Constraint chalfk foreign key(channel\_id) reference channel(channel\_id));

Create table channel(

Channel\_id int identity,

channel\_name varchar 100,

channel\_type varchar 100,

Constraint channelpk primary key(Channel\_id));

Create table payments(

payment\_id int identity,

payment\_order\_id int,

payment\_amount float,

payment\_fee float,

payment\_method varchar 100,

payment\_status varchar 50,

Constraint paymentpk primary key(payment\_id))

**insert statements**

SET IDENTITY\_INSERT[deliveries] ON

INSERT INTO deliveries (delivery\_id, delivery\_order\_id, driver\_id, delivery\_distance\_meters, delivery\_status)

VALUES (1,N’2174658’, N’68413340’,N ‘8378’, N‘5199’,N ‘DELIVERED’);

INSERT INTO deliveries (delivery\_id, delivery\_order\_id, driver\_id, delivery\_distance\_meters, delivery\_status)

VALUES (2,N’2174660’,N’ 68414309’,N’ 2473’,N’ 410’,N ‘DELIVERED’);

INSERT INTO deliveries (delivery\_id, delivery\_order\_id, driver\_id, delivery\_distance\_meters, delivery\_status)

VALUES(3,N’2174661’,N’68416230’,N’7615’,N’ 3784’,N ‘DELIVERED’);

INSERT INTO deliveries (delivery\_id, delivery\_order\_id, driver\_id, delivery\_distance\_meters, delivery\_status)

VALUES (4,N’2174663’,N’68412721’,N’8378’,N’5714’,N ‘DELIVERED’);

INSERT INTO deliveries (delivery\_id, delivery\_order\_id, driver\_id, delivery\_distance\_meters, delivery\_status)

VALUES(5,N’2174675’,N’68414018’,N’10463’,N’3746’,N’DELIVERED’);

SET IDENTITY\_INSERT[drivers] ON

INSERT INTO drivers (driver\_id, driver\_modal, driver\_type)

VALUES (1,N’133’,N ‘MOTOBOY’,N ‘LOGISTIC OPERATOR’);

INSERT INTO drivers (driver\_id, driver\_modal, driver\_type)

VALUES (2,N’138’,N ‘MOTOBOY’,N ‘FREELANCE’);

INSERT INTO drivers (driver\_id, driver\_modal, driver\_type)

VALUES (3,N’140’,N ‘MOTOBOY’, N’FREELANCE’);

INSERT INTO drivers (driver\_id, driver\_modal, driver\_type)

VALUES (4,N’143’,N ‘BIKER’, N’FREELANCE’);

INSERT INTO drivers (driver\_id, driver\_modal, driver\_type)

VALUES (5,N’148’,N ‘MOTOBOY’, N’FREELANCE’);

SET IDENTITY\_INSERT[hubs] ON

INSERT INTO hubs (hub\_id, hub\_name, hub\_city, hub\_state, hub\_latitude, hub\_longitude)

VALUES (1,N’2’, N’BLUE SHOPPING’, N’PORTO ALEGRE’, N’RS’, N’-30.0474148’,N’ -51.21351’);

INSERT INTO hubs (hub\_id, hub\_name, hub\_city, hub\_state, hub\_latitude, hub\_longitude)

VALUES (2,N’3’, N’GREEN SHOPPING’, N’PORTO ALEGRE’, N’RS’, N’-30.0374149’,’ -51.20352’);

INSERT INTO hubs (hub\_id, hub\_name, hub\_city, hub\_state, hub\_latitude, hub\_longitude)

VALUES (3,’4’, N’RED SHOPPING’, N’PORTO ALEGRE’, N’RS’, N’-30.0219481’,N’ -51.2083816’);

INSERT INTO hubs (hub\_id, hub\_name, hub\_city, hub\_state, hub\_latitude, hub\_longitude)

VALUES (4,N’5’, N’FUNK SHOPPING’, N’RIO DE JANEIRO’, N’RJ’, N’-23.0007498’,N’ -43.318282’);

INSERT INTO hubs (hub\_id, hub\_name, hub\_city, hub\_state, hub\_latitude, hub\_longitude)

VALUES (5,N’8’, N’GOLDEN SHOPPING’, N’RIO DE JANEIRO’, N’RJ’, N’-22.921475’,N’ -43.234774’);

SET IDENTITY\_INSERT[orders] ON

INSERT INTO orders (delivery\_id, delivery\_order\_id, driver\_id, hub\_name, delivery\_type, delivery\_distance\_meters, hub\_latitude, hub\_longitude, hub\_id, place\_name, place\_type, place\_id, original\_order\_id, status, total\_amount, delivery\_fee, tips, amount\_without\_fee, driver\_rating, customer\_rating, created\_year, created\_date)

VALUES (1,N’68405465’,N’3401’,N’8’,N’PAPA SUCIS’, N’FOOD’, N’0’, N’-22.921475’, N’-43.234822’, N’5’, N’FOOD PLACE’, N’MARKETPLACE’, N’68405465’, N’68405465’, N’CANCELED’, N’55.9’, N’0’, N’0’, N’19’, N’1’, N’1’, N’2021’, N’2021/1/1 0:19’);

INSERT INTO orders (delivery\_id, delivery\_order\_id, driver\_id, hub\_name, delivery\_type, delivery\_distance\_meters, hub\_latitude, hub\_longitude, hub\_id, place\_name, place\_type, place\_id, original\_order\_id, status, total\_amount, delivery\_fee, tips, amount\_without\_fee, driver\_rating, customer\_rating, created\_year, created\_date)

VALUES (2,N’68406064’, N’3401’, N’8’, N’VUZPI PAZZIS’, N‘FOOD’, N’0’, N’-22.921475’, N’-43.234822’, N’5’, N’FOOD PLACE’, N’MARKETPLACE’, N’68406064’, N’68406064’, N’CANCELED’, N’37.9’, N’0’, N’0’,N’ 26’, N’1’, N’1’, N’2021’, N’2021/1/1 0:26’);

INSERT INTO orders (delivery\_id, delivery\_order\_id, driver\_id, hub\_name, delivery\_type, delivery\_distance\_meters, hub\_latitude, hub\_longitude, hub\_id, place\_name, place\_type, place\_id, original\_order\_id, status, total\_amount, delivery\_fee, tips, amount\_without\_fee, driver\_rating, customer\_rating, created\_year, created\_date)

VALUES (3,N’68408108’, N’786’, N’8’, N’SUPSIO’, N’FOOD’, N’49’, N’-22.921475’, N’-43.234822’, N’5’, N’FOOD PLACE’, N’MARKETPLACE’, N’68408108’, N’68408108’, N’CANCELED’, N’80’, N’9.9’, N’0’, N’56’, N’1’, N’1’, N’2021’, N’2021/1/1 0:56’);

INSERT INTO orders (delivery\_id, delivery\_order\_id, driver\_id, hub\_name, delivery\_type, delivery\_distance\_meters, hub\_latitude, hub\_longitude, hub\_id, place\_name, place\_type, place\_id, original\_order\_id, status, total\_amount, delivery\_fee, tips, amount\_without\_fee, driver\_rating, customer\_rating, created\_year, created\_date)

VALUES (4,N’68408109’, N’1125’, N’8’, N’PIAMUARIS’, N’FOOD’, N’49’, N’-22.921475’, N’-43.234822’, N’5’, N’FOOD PLACE’, N’MARKETPLACE’, N’68408109’, N’68408109’, N’CANCELED’, N’71’, N’9.9’, N’0’, N’56’, N’1’, N’1’, N’2021’, N’2021/1/1 0:56’);

INSERT INTO orders (delivery\_id, delivery\_order\_id, driver\_id, hub\_name, delivery\_type, delivery\_distance\_meters, hub\_latitude, hub\_longitude, hub\_id, place\_name, place\_type, place\_id, original\_order\_id, status, total\_amount, delivery\_fee, tips, amount\_without\_fee, driver\_rating, customer\_rating, created\_year, created\_date)

VALUES (5,N’68409030’, N’1064’, N’8’, N’LUCITA’, N’FOOD’, N’0’, N’-22.921475’, N’-43.234822’, N’35’, N’BRAZIL PLACE’, N’MARKETPLACE’,N’68409030’, N’68409030’, N’CANCELED’, N’214.8’, N’0.01’, N’0’, N’1’, N’56’, N’1’, N’1’, N’2021’, N’2021/1/1 1:56’, N’2021/1/1 1:57’);

SET IDENTITY\_INSERT[channel] ON

INSERT[channel](channel\_id,channel\_name,channel\_type)VALUES(1,N’5’,N’FOOD PLACE’,N’MARKETPLACE’);

INSERT[channel](channel\_id,channel\_name,channel\_type)VALUES(2,N’5’,N’FOOD PLACE’,N’MARKETPLACE’);

INSERT[channel](channel\_id,channel\_name,channel\_type)VALUES(3,N’5’,N’FOOD PLACE’,N’MARKETPLACE’);

INSERT[channel](channel\_id,channel\_name,channel\_type)VALUES(4,N’5’,N’FOOD PLACE’,N’MARKETPLACE’);

INSERT[channel](channel\_id,channel\_name,channel\_type)VALUES(5,N’5’,N’FOOD PLACE’,N’MARKETPLACE’);

SET IDENTITY\_INSERT[payments] ON

INSERT INTO payments (payment\_id, delivery\_id, amount, transaction\_fee, payment\_method, payment\_status)

VALUES (1,N’4427983’, N’68415457’, N’148.7’, N’4.01’, N’ONLINE’, N’PAID’);

INSERT INTO payments (payment\_id, delivery\_id, amount, transaction\_fee, payment\_method, payment\_status)

VALUES (2,N’4427988’, N’68415474’, N’170.2’, N’4.6’, N’ONLINE’, N’PAID’);

INSERT INTO payments (payment\_id, delivery\_id, amount, transaction\_fee, payment\_method, payment\_status)

VALUES (3,N’4427989’, N’68415543’, N’19.9’, N’0.3’, N’ONLINE’, N’PAID’);

INSERT INTO payments (payment\_id, delivery\_id, amount, transaction\_fee, payment\_method, payment\_status)

VALUES (4,N’4427990’, N’68415543’, N’5’, N’0’, N’VOUCHER’, N’PAID’);

INSERT INTO payments (payment\_id, delivery\_id, amount, transaction\_fee, payment\_method, payment\_status)

VALUES (5,N’4427997’, N’68415947’, N’25.9’, N’0.52’, N’ONLINE’, N’PAID’);