In [120	<pre>from queries import * from utils import *  # QUERIES API AIRLBAS</pre>
	<pre>test = getFlightAirlabs('LH2001') test_response = test.print_request() print(test_response) """ # QUERIES API LUFTHANSA</pre>
	<pre>test = getFlightInfoLuf('LH2057', '2022-07-28') save_result = test.get_result().json() print(save_result)  test = getFlightInfoLuf('LH2057', '2022-07-26')</pre>
	<pre>save_result2 = test.get_result().json() print(save_result2)  """  test = getFlightInfoByRouteLuf('JNB', 'FRA', '2022-07-2') test.get_result() """</pre>
	{'FlightInformation': {'Flights': {'Departure': {'AirportCode': 'HAM', 'Scheduled': {'Date': '2022-07-28', 'Time': '12:35'}, 'Terminal': {'Name': '2', 'Gate': 'A17'}, 'Status': {'Code': 'DP', 'Description': 'Flight Departed'}}, 'Arrival': {'AirportCode': 'MUC', 'Scheduled': {'Date': '2022-07-28', 'Time': '13:30'}, 'Estimated': {'Date': '2022-07-28', 'Time': '13:51'}, 'Actual': {'Date': '2022-07-28', 'Time': '13:51'}, 'Terminal': {'Name': '2', 'Gate': 'G04'}, 'Status': {'Code': 'DL', 'Description': 'Flight Delayed'}}, 'MarketingCarrierList': {'MarketingCarrier': {'AirlineID': 'OU', 'FlightNumber': '5457'}}, 'OperatingCarrier': {'AirlineID': 'LH', 'FlightNumber': '2057'}, 'Equipment': {'AircraftCode': '3
	20'}, 'Status': {'Code': 'DL', 'Description': 'Flight Delayed'}}}, 'Meta': {'@Version': '1.0.0', 'Link': [{'@Href': 'https://api.lufthansa.com/v1/operations/customerflightinformation/LH2057/2022-07-28', '@Rel': 'self'}, {'@Href': 'https://api.lufthansa.com/v1/mds-references/airports/{airportCode}', '@Rel': 'related'}]}} {'FlightInformation': {'Flights': {'Departure': {'AirportCode': 'HAM', 'Scheduled': {'Date': '2022-07-26', 'Time': '12:15'}, 'Actual': {'Date': '2022-07-26', 'Time': '13:04'}, 'Terminal': {'Name': '2', 'Gate': 'C16'}, 'Status': {'Code': 'DP', 'Description': 'Flight Departed'}}, 'Arrival': {'AirportCode': 'MUC', 'Scheduled': {'Date': '2022-07-26', 'Time': '13:30'}, 'Actual': {'Date': '2022-07-26', 'Time': '14:10'}, 'Terminal': {'Name': '2', 'Gate': 'K05'}, 'Status': {'Code': 'LD', 'Description': 'Flight Landed'}}, 'MarketingCarrierLis
Out[120]:	t': {'MarketingCarrier': {'AirlineID': 'OU', 'FlightNumber': '5457'}}, 'OperatingCarrier': {'AirlineID': 'LH', 'FlightNumber': '2057'}, 'Equipment': {'AircraftCode': '32N'}, 'Status': {'Code': 'LD', 'Description': 'Flight Landed'}}}, 'Meta': {'@Version': '1.0.0', 'Link': [{'@Href': 'https://api.lufthansa.com/v1/operations/customerf lightinformation/LH2057/2022-07-26', '@Rel': 'self'}, {'@Href': 'https://api.lufthansa.com/v1/mds-references/airports/{airportCode}', '@Rel': 'related'}]}}  "\ntost = gotFlightInfoPyPoutoLuf('\NR', 'EPA', '2022-07-2')\ntost got result()\n"
In [137	<pre># récupeartion des données à partir du json brut save_result à insérer dans les table sql # pour la table id_flight airlineid = save_result['FlightInformation']['Flights']['Flight']['OperatingCarrier']['AirlineID'] flightnumber = save_result['FlightInformation']['Flights']['Flight']['OperatingCarrier']['FlightNumber']</pre>
	<pre>flight_number_concat = airlineid + flightnumber  # pour la table info_departure  time_dep_prev = save_result['FlightInformation']['Flights']['Flight']['Departure']['Scheduled']['Time']  time_dep_real = save_result['FlightInformation']['Flights']['Flight']['Departure']['Actual']['Time']</pre>
	<pre>date_dep_prev = save_result['FlightInformation']['Flights']['Flight']['Departure']['Scheduled']['Date'] date_dep_real = save_result['FlightInformation']['Flights']['Flight']['Departure']['Actual']['Date'] on_time_or_delayed = save_result['FlightInformation']['Flights']['Flight']['Status']['Description'] status = save_result['FlightInformation']['Flights']['Flight']['Departure']['Status']['Description'] airport_code = save_result['FlightInformation']['Flights']['Flight']['Departure']['AirportCode'] terminal_dep = save_result['FlightInformation']['Flights']['Flight']['Departure']['Terminal']['Gate']</pre>
	<pre># pour la table info_arrival  time_arr_prev = save_result['FlightInformation']['Flights']['Flight']['Arrival']['Scheduled']['Time']  time_arr_real = save_result['FlightInformation']['Flights']['Flight']['Arrival']['Actual']['Time']  date_arr_prev = save_result['FlightInformation']['Flights']['Flight']['Arrival']['Scheduled']['Date']  date_arr_real = save_result['FlightInformation']['Flights']['Flight']['Arrival']['Actual']['Date']</pre>
In [138	<pre>airport_code = save_result['FlightInformation']['Flights']['Flight']['Arrival']['AirportCode'] terminal_arr = save_result['FlightInformation']['Flights']['Flight']['Arrival']['Terminal']['Gate']  # récupeartion des données à partir du json brut save_result2 à insérer dans les table sql  # pour la table id_flight airlineid2 = save_result2['FlightInformation']['Flights']['Flight']['OperatingCarrier']['AirlineID']</pre>
	<pre>flightnumber2 = save_result2['FlightInformation']['Flights']['Flight']['OperatingCarrier']['FlightNumber'] flight_number_concat2 = airlineid2 + flightnumber2  # pour la table info_departure</pre>
	<pre>time_dep_prev2 = save_result2['FlightInformation']['Flights']['Flight']['Departure']['Scheduled']['Time'] time_dep_real2 = save_result2['FlightInformation']['Flights']['Flight']['Departure']['Actual']['Time'] date_dep_prev2 = save_result2['FlightInformation']['Flights']['Flight']['Departure']['Scheduled']['Date'] date_dep_real2 = save_result2['FlightInformation']['Flights']['Flight']['Departure']['Actual']['Date'] on_time_or_delayed2 = save_result2['FlightInformation']['Flights']['Flight']['Status']['Description'] status2 = save_result2['FlightInformation']['Flights']['Flight']['Departure']['Status']['Description']</pre>
	<pre>airport_code2 = save_result2['FlightInformation']['Flights']['Flight']['Departure']['AirportCode'] terminal_dep2 = save_result2['FlightInformation']['Flights']['Flight']['Departure']['Terminal']['Gate']  # pour la table info_arrival  time_arr_prev2 = save_result2['FlightInformation']['Flights']['Flight']['Arrival']['Scheduled']['Time']</pre>
Tn [177	time_arr_real2 = save_result2['FlightInformation']['Flights']['Flight']['Arrival']['Actual']['Time'] date_arr_prev2 = save_result2['FlightInformation']['Flights']['Flight']['Arrival']['Scheduled']['Date'] date_arr_real2 = save_result2['FlightInformation']['Flights']['Flight']['Arrival']['Actual']['Date'] airport_code2 = save_result2['FlightInformation']['Flights']['Flight']['Arrival']['AirportCode'] terminal_arr2 = save_result2['FlightInformation']['Flights']['Flight']['Arrival']['Terminal']['Gate']  # init de la BDD sql
111 [177	<pre>from sqlalchemy import Table, Column, Boolean, Time, DateTime, Integer, String, ForeignKey, MetaData, create_en engine = create_engine('sqlite:///real_time.db', echo=True) meta = MetaData()</pre>
In [178	<pre># creation d'une table date  date = Table(     'date', meta,     Column('id_date', Integer, primary_key=True),     Column('date', String)</pre>
	meta.create_all(engine)  2022-07-28 13:42:11,103 INFO sqlalchemy.engine.Engine BEGIN (implicit)  2022-07-28 13:42:11,104 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("date")  2022-07-28 13:42:11,104 INFO sqlalchemy.engine.Engine [raw sql] ()  2022-07-28 13:42:11,105 INFO sqlalchemy.engine.Engine PRAGMA temp.table_info("date")  2022-07-28 13:42:11,106 INFO sqlalchemy.engine.Engine [raw sql] ()
	2022-07-28 13:42:11,106 INFO sqlalchemy.engine.Engine CREATE TABLE date (     id_date INTEGER NOT NULL,     date VARCHAR,     PRIMARY KEY (id_date) )
In [179	<pre>2022-07-28 13:42:11,107 INFO sqlalchemy.engine.Engine [no key 0.00032s] () 2022-07-28 13:42:11,109 INFO sqlalchemy.engine.Engine COMMIT  # creation de la table id_flight  id_flight = Table(</pre>
	<pre>'id_flight', meta,    Column('id_flight', Integer, primary_key=True),    Column('flight_number', String),    Column('date', Integer, ForeignKey("date.id_date")) ) meta.create_all(engine)  2022-07-28 13:42:13,861 INFO sqlalchemy.engine.Engine BEGIN (implicit)</pre>
	2022-07-28 13:42:13,862 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("date") 2022-07-28 13:42:13,862 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:13,862 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("id_flight") 2022-07-28 13:42:13,863 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:13,863 INFO sqlalchemy.engine.Engine PRAGMA temp.table_info("id_flight") 2022-07-28 13:42:13,863 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:13,864 INFO sqlalchemy.engine.Engine
	CREATE TABLE id_flight (     id_flight INTEGER NOT NULL,     flight_number VARCHAR,     date INTEGER,     PRIMARY KEY (id_flight),     FOREIGN KEY(date) REFERENCES date (id_date) )
In [180…	2022-07-28 13:42:13,865 INFO sqlalchemy.engine.Engine [no key 0.00038s] () 2022-07-28 13:42:13,866 INFO sqlalchemy.engine.Engine COMMIT  # création de la table info_departure
	<pre>info_departure = Table(     'info_departure', meta,     Column('id_info_departure', Integer, primary_key=True),     Column('time_dep_prev', String),     Column('time_dep_real', String),     Column('date_dep_prev', String),     Column('date_dep_real', String),     Column('date_dep_real', String),</pre>
	Column('on_time_or_delayed', String), Column('status', String), Column('airport_code', String), Column('terminal_dep', String), Column('flight_number', Integer, ForeignKey("id_flight.id_flight")), Column('date', Integer, ForeignKey("date.id_date"))
	meta.create_all(engine)  2022-07-28 13:42:15,362 INFO sqlalchemy.engine.Engine BEGIN (implicit) 2022-07-28 13:42:15,363 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("date") 2022-07-28 13:42:15,363 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:15,364 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("id_flight") 2022-07-28 13:42:15,364 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("id_flight")
	2022-07-28 13:42:15,364 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:15,365 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("info_departure") 2022-07-28 13:42:15,365 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:15,365 INFO sqlalchemy.engine.Engine PRAGMA temp.table_info("info_departure") 2022-07-28 13:42:15,365 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:15,366 INFO sqlalchemy.engine.Engine CREATE TABLE info_departure (     id_info_departure INTEGER NOT NULL,
	time_dep_prev VARCHAR,  time_dep_real VARCHAR,  date_dep_prev VARCHAR,  date_dep_real VARCHAR,  on_time_or_delayed VARCHAR,  status VARCHAR,  airport_code VARCHAR,
	<pre>terminal_dep VARCHAR, flight_number INTEGER, date INTEGER, PRIMARY KEY (id_info_departure), FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight), FOREIGN KEY(date) REFERENCES date (id_date) )</pre>
In [181	2022-07-28 13:42:15,366 INFO sqlalchemy.engine.Engine [no key 0.00026s] () 2022-07-28 13:42:15,368 INFO sqlalchemy.engine.Engine COMMIT  # création de la table info_arrival
	<pre>info_arrival = Table(     'info_arrival', meta,     Column('id_info_departure', Integer, primary_key=True),     Column('time_arr_prev', String),     Column('time_arr_real', String),     Column('date_arr_prev', String),     Column('date_arr_real', String),     Column('airport_code', String),</pre>
	<pre>Column('terminal_arr', String),    Column('flight_number', Integer, ForeignKey("id_flight.id_flight")),    Column('date', Integer, ForeignKey("date.id_date")) ) meta.create_all(engine)</pre>
	2022-07-28 13:42:17,281 INFO sqlalchemy.engine.Engine BEGIN (implicit) 2022-07-28 13:42:17,282 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("date") 2022-07-28 13:42:17,282 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:17,283 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("id_flight") 2022-07-28 13:42:17,283 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:17,284 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("info_departure") 2022-07-28 13:42:17,284 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:17,285 INFO sqlalchemy.engine.Engine PRAGMA main.table_info("info_arrival")
	2022-07-28 13:42:17,286 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:17,286 INFO sqlalchemy.engine.Engine PRAGMA temp.table_info("info_arrival") 2022-07-28 13:42:17,286 INFO sqlalchemy.engine.Engine [raw sql] () 2022-07-28 13:42:17,287 INFO sqlalchemy.engine.Engine CREATE TABLE info_arrival (     id_info_departure INTEGER NOT NULL,     time_arr_prev VARCHAR,     time_arr_real VARCHAR,
	date_arr_prev VARCHAR,
	date_arr_real VARCHAR, airport_code VARCHAR, terminal_arr VARCHAR, flight_number INTEGER, date INTEGER, PRIMARY KEY (id_info_departure),
	date_arr_real VARCHAR, airport_code VARCHAR, terminal_arr VARCHAR, flight_number INTEGER, date INTEGER,
In [182	<pre>date_arr_real VARCHAR,     airport_code VARCHAR,     terminal_arr VARCHAR,     flight_number INTEGER,     date INTEGER,     pRIMARY KEY (id_info_departure),     FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight),     FOREIGN KEY(date) REFERENCES date (id_date) )  2022-07-28 13:42:17,288 INFO sqlalchemy.engine.Engine [no key 0.00033s] () 2022-07-28 13:42:17,289 INFO sqlalchemy.engine.Engine COMMIT  # insertion des données à partir du json dans la table id_flight values_id_flight = [(1, flight_number_concat, 1),(2, flight_number_concat2, 2)]  with engine.connect() as connection:     # début de la transaction     with connection.begin() as transaction:</pre>
In [182	<pre>date_arr_real VARCHAR,     airport_code VARCHAR,     airport_code VARCHAR,     terminal_arr VARCHAR,     flight_number INTEGER,     date INTEGER,     date INTEGER,     PRIMARY KEY (id_info_departure),     FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight),     FOREIGN KEY(date) REFERENCES date (id_date) )  2022-07-28 13:42:17,288 INFO sqlalchemy.engine.Engine [no key 0.00033s] () 2022-07-28 13:42:17,289 INFO sqlalchemy.engine.Engine COMMIT  # insertion des données à partir du json dans la table id_flight  values_id_flight = [(1, flight_number_concat, 1),(2, flight_number_concat2, 2)]  with engine.connect() as connection:     # début de la transaction     with connection.begin() as transaction:     # on tente d'éxécuter une transaction     try:         # On indique le format d'un tuple de cette table         markers = ','.join('?' * len(values_id_flight[0]))  # On utilise le langage SQL en format texte où markers est le format d'un tuple         ins = 'INSERT OR REPLACE INTO {tablename} VALUES ({markers})'</pre>
In [182	date_arr_real VARCHAR,     airport_code VARCHAR,     terminal_arr VARCHAR,     flight_number INTEGER,     date INTEGER,     pRIMARY KEY (id_info_departure),     FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight),     FOREIGN KEY(date) REFERENCES date (id_date)  2022-07-28 13:42:17,288 INFO sqlalchemy.engine.Engine [no key 0.00033s] () 2022-07-28 13:42:17,289 INFO sqlalchemy.engine.Engine COMMIT  # insertion des données à partir du json dans la table id_flight  values_id_flight = [(1, flight_number_concat, 1),(2, flight_number_concat2, 2)]  with engine.connect() as connection:     # début de la transaction     with connection.begin() as transaction:     # on tente d'éxécuter une transaction  try:     # On indique le format d'un tuple de cette table     markers = ','.join('?' * len(values_id_flight[0]))  # On utilise le langage SQL en format texte où markers est le format d'un tuple
In [182	date_arr_real VARCHAR,     airport_code VARCHAR,     terminal_arr VARCHAR,     terminal_arr VARCHAR,     flight_number INTEGER,     date INTEGER,     PRIMARY KEY (id_info_departure),     FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight),     FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight),     FOREIGN KEY(date) REFERENCES date (id_date)  2022-07-28 13:42:17,289 INFO sqlalchemy.engine.Engine [no key 0.00033s] () 2022-07-28 13:42:17,289 INFO sqlalchemy.engine.Engine COMMIT  # insertion des données à partir du json dans la table id_flight  values_id_flight = [(1, flight_number_concat, 1),(2, flight_number_concat2, 2)]  with engine.connect() as connection:     # debut de la transaction  with connection.begin() as transaction:     # on indique le format d'un tuple de cette table     markers = ','.join('?' * len(values_id_flight[0]))  # On utilise le langage SQL en format texte où markers est le format d'un tuple     ins = 'INSERT OR REPLACE INTO {tablename} VALUES ((markers}))'  # On précise ce format particulier grâce à la fonction membre format     ins = ins.format(tablename=id_flight.name, markers=markers)  # Enfin on peut utiliser les tuples créés en éxécutant la commande SQL     connection.execute(ins, values_id_flight)  # si la transaction échoue     except:
	date arr real VARCHAR, airport.code VARCHAR, terminal_arr VARCHAR, flight_number INTEGER, date INTEGER, PRIMARY KEY (id_info_departure), FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight), FOREIGN KEY(date) REFERENCES date (id_date) }  2022-07-28 13:42:17,288 INFO sqlalchemy.engine.Engine [no key 0.00033s] () 2022-07-28 13:42:17,289 INFO sqlalchemy.engine.Engine COMMIT  # insertion des données à partir du json dans la table id_flight values_id_flight = [(1, flight_number_concat, 1),(2, flight_number_concat2, 2)] with engine.connect() as connection: # début de la transaction with connection.begin() as transaction: # début de la transaction try: # on indique le format d'un tuple de cette table markers = ','.join('?' * len(values_id_flight[0]))  # On utilise le langage SQL en format texte où markers est le format d'un tuple ins = 'INSERT OR REPLACE INTO {tablename} VALUES {(markers)}  # On précise ce format particulier grâce à la fonction membre format ins = ins.format(tablename=id_flight.name, markers=markers)  # Enfin on peut utiliser les tuples créés en éxécutant la commande SQL connection.execute(ins, values_id_flight) # si la transaction échoue except:     transaction.commit()  2022-07-28 13:42:20,409 INFO sqlalchemy.engine.Engine BEGIN (implicit)
In [183	date arr_real vaRCHAR, airport_code VARCHAR, terminal_arr VARCHAR, terminal_arr VARCHAR, flight_number INTEGER, parimary KEY (id_info_departure), FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight), FOREIGN KEY(flight_number) REFERENCES id_flight (id_flight), FOREIGN KEY(date) REFERENCES date (id_date)  2022-07-28 13:42:17,289 INFO sqlalchemy.engine.Engine [no key 0.080335] () 2022-07-28 13:42:17,289 INFO sqlalchemy.engine.Engine COMMIT  # insertion des données à partir du json dans la table id_flight values_id_flight = [(1, flight_number_concat, 1),(2, flight_number_concat2, 2)] with engine.connect() as connection: # debut de la transaction with connection begin() as transaction: # on ente d'executer une transaction  try:  # On indique le format d'un tuple de cette table markers = ','.join('?' * len(values_id_flight[0]))  # On utilise le langage SQL en format texte où markers est le format d'un tuple ins = 'INSERT OR REPLACE INTO (tablename) VALUES ([markers])'  # On précise ce format particulier grâce à la fonction membre format ins = ins.format(tablename=id_flight_name, markers=markers)  # Enfin on peut utiliser les tuples créés en éxécutant la commande SQL connection.execute(ins, values_id_flight)  # si la transaction efonue except:  transaction réussit else:  transaction réussit else:  transaction nommit()  2022-07-28 13:42:20,409 INFO sqlalchemy.engine.Engine BEGIN (implicit) 2022-07-28 13:42:20,401 INFO sqlalchemy.engine.Engine Tous sql] [(1, 'LH2057', 1), (2, 'LH2057', 2)] 2022-07-28 13:42:20,411 INFO sqlalchemy.engine.Engine Tous sql] [(1, 'LH2057', 1), (2, 'LH2057', 2)] 2022-07-28 13:42:20,411 INFO sqlalchemy.engine.Engine GOMMIT  # essai requête sql à partir de données que l'on a insérées dans la table id_flight with engine.connect() as connection: results = connection.execute('SELECT' FROM id_flight;")
In [183	date arr real VARCHAR, airportLoode VARCHAR, terminal_arr VARCHAR, terminal_arr VARCHAR, flight_number INTEGER, date INTEGER, Adate INTEGER, PRIMARY KEV (id_info_departure), FOREIGN KEV(flight_number) REFERENCES id_flight (id_flight), FOREIGN KEV(flight_number) REFERENCES id_flight  # insertion des données à partir du joon dans la table id_flight values id_flight = [(1, flight_number_concat2, 2)] with engine.connect() as connection: # debut de la fransaction # obtaine flight number_concat2, 2)] with engine.connect() as connection: # obtaine flight in the flight number_concat2, 2)] with engine.connect() as connection: # obtaine flight in the flight number_concat2, 2)] with engine.connection engine # insering REFLACE INTO (flablemap) VALUES (flarkers))  # on précise ce format particulier grâce à la fonction membre format ins = ins.format(tablename=id_flight number_concat2 (flight)) # since flight in the flight number in the flight in the flight in the flight in the since flight in the fligh
In [183	date_arr_real vanchum, airport code vanchum, terminal_arr vanchum,
In [183	dute_ser_real vanChank,     airport_code vanChank,     terminol_ser_vanChank,     terminol_ser_vanChank,     date introces.     date introces.     date introces.     date introces.     person very finance; ser-record of the (id. dight),     person very finance; ser-record of the (id. dight),     person very finance; ser-record of the (id. dight),     person very finance; ser-record of the (id. dight)  # insertion des données à partir du jour dans la table ad_flaght  values is flight = [(1, flight number concat, 1), (2, flight number concat2, 2)]  with emphase connect() as connection:     # above de la transaction     with connection begin() as transaction:     # above de la transaction     with connection begin() as transaction:     # above de la transaction     with connection begin() as transaction:     # above de la transaction of the control of
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In [183	date.arc.real vacCHAR.  Simport Code VacCHAR.  Finght number with Seas.  PLENDAGE KCY (Light number) expressors in flight (in flight),  PORTION KCY (Light number) expressors in flight (in flight),  PORTION KCY (Sate) REFERENCES sate [ad.date)  **PORTION KCY (Sate) REFERENCES sate [ad.date)  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun dans la table ad_flight  **Insertion des donndes à partir du joun de cette table  markers = ', ', join('?' * len(values in flight[0])  **In du aitlies te bampage 80 en forent (seix du markers est le format d'un imple  ins = 'Insert OR REPLACE INTO (tablemen) ValuES (fonckers)'  **Enfin on pout utiliser les tuples crédes on adecutant la commande 500  **Insertion pout utiliser les tuples crédes on adecutant la commande 500  **Insertion pout utiliser les tuples crédes on adecutant la commande 500  **Insertion des donndes du la
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