<pre>: ['aircrafts_data' 'airports_data', 'boarding_passes 'bookings', 'flights', 'seats', 'ticket_flights' 'tickets']</pre> <pre>Executes a</pre>	
	an SQL query to fetch all table names in the database t name from sqlite_master where type = 'table';") print('List of tables present in the database')
Extracts ta	able names from the query result into a list for easier access or table in cursor.fetchall()] ne list of tables to understand the database structure
aircrafts_data = paircrafts_data.hea aircraft_code 0 773 {"e 1 763 {"e 2 SU9 {"en	ad_sql_query to show columns present in databases in table form pd.read_sql_query("select * from aircrafts_data", connection) ad() model range n": "Boeing 777-300", "ru": "Боинг 777-300"} 11100 n": "Boeing 767-300", "ru": "Боинг 767-300"} 7900 ": "Sukhoi Superjet-100", "ru": "Сухой Суп 3000 ": "Airbus A320-200", "ru": "Аэробус А320 5700
# Reads data from # Displays the finaircrafts_data = paircrafts_data.hea	(rows, columns) of the data to get an idea of its size
airports_data airport_code VKS MJZ	d.read_sql_query("select * from airports_data", connection) airport_name city coordinates timezone {"en": "Yakutsk Airport", "ru": "Якутск"} {"en": "Yakutsk", "ru": "Якутск"} (129.77099609375,62.0932998657226562) Asia/Yakutsk {"en": "Mirny Airport", "ru": "Мирный"} {"en": "Mirnyj", "ru": "Мирный"} (114.03900146484375,62.534698486328125) Asia/Yakutsk en": "Khabarovsk-Novy Airport", "ru": "Хабар {"en": "Khabarovsk", "ru": "Хабаровск"} (135.18800354004,48.5279998779300001) Asia/Vladivostok
99MMK100ABA101BAX	{"en": "Yelizovo Airport", "ru": "Елизово"} {"en": "Petropavlovsk", "ru": "Петропавловск-К (158.453994750976562,53.1679000854492188) Asia/Kamchatka en": "Yuzhno-Sakhalinsk Airport", "ru": "Xom {"en": "Yuzhno-Sakhalinsk", "ru": "НОжно-Сахали (142.718002319335938,46.8886985778808594) Asia/Sakhalin {"en": "Murmansk Airport", "ru": "Мурманск"} {"en": "Murmansk", "ru": "Мурманск"} (32.7508010864257812,68.7817001342773438) Europe/Moscow {"en": "Abakan Airport", "ru": "Абакан"} {"en": "Abakan", "ru": "Aбакан"} (91.3850021362304688,53.7400016784667969) Asia/Krasnoyarsk {"en": "Barnaul Airport", "ru": "Барнаул"} {"en": "Barnaul", "ru": "Барнаул"} (83.5384979248046875,53.363800048828125) Asia/Krasnoyarsk 'en": "Anapa Vityazevo Airport", "ru": "Витяз {"en": "Anapa", "ru": "Ahana"} (37.3473014831539984,45.002101898192997) Europe/Moscow
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bookings book_ref 0 00000F 20 1 000012 20 2 000068 20 3 000181 20	book_date total_amount 17-07-05 03:12:00+03 265700 17-07-14 09:02:00+03 37900 17-08-15 14:27:00+03 18100 17-08-10 13:28:00+03 131800
	117-08-08 05:55:00+03
flights flight_id flight 0 1185 PG0	_sql_query("select * from flights", connection)
2 4739 PG0 3 5502 PG0 4 6938 PG0 33116 33117 PG0 33117 33118 PG0	2017-09-05 12:30:00+03 2017-09-05 14:15:00+03 VKO AER Scheduled 763 NN
33120 33121 PG0 33121 rows × 10 colur Seats seats = pd.read_sc seats	2017-08-01 19:25:00+03 2017-08-01 20:10:00+03 SKX SVO Arrived CR2 2017-08-01 19:26:00+03 2017-08-01 20:12:00+03 SKX SVO Scheduled CR2 WN WN MRS SKX SVO Scheduled CR2 WN SVO Scheduled CR2 WN WN MRS SKX SVO Scheduled CR2 WN WN MRS SKX SVO Scheduled CR2 WN WN WN WN MRS SKX SVO Scheduled CR2 WN
aircraft_code s 0 319 1 319 2 319 3 319 4 319 1334 773	seat_no fare_conditions 2A Business 2C Business 2D Business 3A Business 3A Business 48H Economy
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<pre>ticket_flights = p ticket_flights</pre>	2351 30625 Business 42100 2386 30625 Business 42100
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Tickets tickets = pd.read tickets tickets ticket	_sql_query("select * from tickets", connection) _no book_ref passenger_id _87
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for column in print (column table: aircrafts_da (0, 'aircraft_code' (1, 'model', 'jsonk (2, 'range', 'INTECtable: airports_date	<pre>connection.execute("PRAGMA table_info({})".format(table)) column_info.fetchall(): umn) ata ', 'character(3)', 1, None, 0) o', 1, None, 0) GER', 1, None, 0)</pre>
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Objective

The goal of this data analysis project usingsql would be to identify opportunities to increase the occupancy rate on low-performancing flights, which can ultimately lead to increased profitablity for the airline.