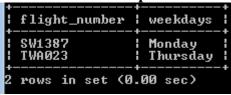
(a) List all the flight numbers by American Airlines.



(b) How many flights does American Airlines offer on Mondays?



(c) List the flight numbers and weekdays of all flights or flight legs that depart from George Bush Intercontinental Airport and arrive in Los Angeles International Airport.



(d) List the flight number, departure airport code, scheduled departure time, arrival airport code, schedule arrival time and weekdays of all flights or flight legs that depart from some airport in the city of Houston and arrive at some airport in the city of Los Angeles.

city of Houston and	4		till por t	111 0110 01	ty of Hos Tinge
flight_number	DAC	SDT	AAC	SAT	weekdays
SW1387	IAH	1330	LAX	1630	Thursday   Monday   Thursday
3 rows in set (0	.00 sec	;>	+	++	<b>+</b>

(e) List the airliner who flew with a greater number of empty seats (available seats) than any other airliners during September 2019.

	total_empty_seats :
+   American Airlines	55
1 row in set (0.00 se	+ :c)

(f) Find the airliners that flew with less than 30 empty seats (available seats) in September 2019.

[Hint: Use HAVING & DATE FORMAT()]

mil. Use HAVING & DAT	L_FORMAT()]
tt airline	total_empty_seats :
Trans World Airlines	+
1 row in set (0.00 sec)	

(g) Find airline pairs that are directly competing at Houston? Direct competition at a city is defined by having flights from that city to the common destination. Answer should include <TWA, Southwest> since both airlines have flights from Houston to LA. Note that Houston has two airports (Requirement: Use EXISTS/NOT EXISTS).

airline	airline
Trans World Airlines	South West Airline
1 row in set (0.04 sec)	

(h) List all the flights from "FLIGHT" table along with their scheduling information from "FLIGHT\_LEG" table. Show NULL values for scheduling information if the flight has not been scheduled yet. (Hint: Use Outer Join)

airline						į	DAC	į	SDT	į	AAC	l	SAT	
American Airlines			AA201			Ī	BDL	Ī	0800	Ī	DTW	Ī	0930	Ì
American Airlines	l Monday	H	AA201	ł	2	ı	DTW	ı	1030	ł	MSP	ł	1130	ŀ
American Airlines	l Monday	H	AA201	ł	3	ı	MSP	ı	1230	ł	SFO	ł	1430	
	Wednesday	ł	AA202	ł	1	ı	DTW	ł	0800	ł	BDL	ı	0930	
American Airlines	Friday	٠	AA203	ł	1		SFO	٠	1000	ł	LAX	ı	1045	
American Airlines	Friday	٠	AA203	ł	2		LAX		1400	ł	BDL	ı	2300	
South West Airline	l Thursday	ł	SW1385	ł	1		HOU	ł	0930	ł	LAX		1030	
South West Airline	Sunday		SW1386	ł	1		BDL		0700	ł	MCO		1000	
South West Airline	Sunday		SW1386	ł	2		MCO		1230	ł	SJU	ı	1530	
South West Airline	! Monday		SW1387	ł	1		BDL		0930	ł	IAH	ı	1230	
South West Airline	l Monday	H	SW1387	ł	2		IAH	ı	1330	ł	PHX	ł	1430	
South West Airline	l Monday	H	SW1387	ł	3		PHX	ı	1530	ł	LAX	ł	1630	
Trans World Airlines	Tuesday	H	TWA021	ł	NULL		NULL	ı	NULL	ł	NULL	ł	NULL	
Trans World Airlines	Wednesday	H	TWA022	ł	NULL		NULL	ı	NULL	ł	NULL	ł	NULL	
Trans World Airlines	Thursday	ł	TWA023	ł	1	H	IAH	ł	0930	ł	SAN	H	1100	
Trans World Airlines	Thursday	ł	TWA023	H	2	H	SAN	ł	1200	ł	LAX	ł	1300	