Assignment: SQL and NULLs

Please use the tables in the `flights` database. Your deliverable should include the SQL queries that you write in support of your conclusions. You may use multiple queries to answer questions.

1. How many airplanes have listed speeds? What is the minimum listed speed and the maximum listed speed?
2. What is the total distance flown by all of the planes in January 2013? What is the total distance flown by all of the planes in January 2013 where the tailnum is missing?
3. What is the total distance flown for all planes on July 5, 2013 grouped by aircraft manufacturer? Write this statement first using an INNER JOIN, then using a LEFT OUTER JOIN. How do your results compare?

   Shown below: results on the inner join:

manufacturer	SUM(distance)
AIRBUS	195089
AIRBUS INDUSTRIE	78786
AMERICAN AIRCRAFT INC	2199
BARKER JACK L	937
BOEING	335028
BOMBARDIER INC	31160
CANADAIR	1142
CESSNA	2898
DOUGLAS	1089
EMBRAER	77909
GULFSTREAM AEROSPACE	1157
MCDONNELL DOUGLAS	7486
MCDONNELL DOUGLAS AIRCRAFT CO	15690
MCDONNELL DOUGLAS CORPORATION	4767

4. Write and answer at least one question of your own choosing that joins information from at least three of the tables in the flights database.