

SQL Assignment (20 points)

Use the Access database “SQLAssignment.accdb” to complete the following exercises using SQL (this file is linked to the Blackboard assignment). You are required to submit the SQL you used in solving each of the exercises. To submit your SQL cut and paste the SQL from Access into Microsoft Word (or an application like Text Pad or Notepad) and submit to Blackboard.

1. Create a table (Passenger) based on the specifications below:

<u>Field Name</u>	<u>Type/Length</u>
PassID	text 5 fixed (Primary Key)
PassLName	text 25 variable
PassFName	text 20 variable
PassAge	numeric
Maint_DT	date

2. Add the 5 records below using the INSERT command. For the Maint_DT attribute use the following Access function “Date()”.

PassID	PassLName	PassFName	PassAge
00001	Boyd	Alex	34
00002	Smith	Trudy	61
00003	Collins	Marcia	41
00004	Francis	Steve	19
00005	Russo	Karen	12

3. Select all passengers sorted from oldest to youngest.
4. Select PassID, PassLName, and PassFName for all passengers older than 35.

Complete numbers 5 – 9 using the Ticket table found in SQLAssignment.accdb.

5. Select all ticket records listing the ticket number, passenger ID, and price for all flights with an arrival airport of Providence (“PVD”).
6. Select all ticket records listing ticket number, passenger ID, and Departing Airport with a price of more than \$300.00.
7. Select all ticket records listing ticket number, passengerID, and Departing Airport with a price greater than \$200.00 and an Arrival Airport of Los Angeles (“LAX”).
8. Create a derived attribute to determine a 50% discount for all flights to “PVD” (the calculation for the discount is price * .50). List the ticket number, passenger ID, Departing Airport, Depart Date, and Discount Price.
9. Find the average price for all flights arriving in Chicago at O’Hare airport (“ORD”).
10. Use a JOIN to list ticket number, passenger last name, Departing Airport, depart date, from the passenger and ticket tables with an Departing Airport of Atlanta (“ATL”) in descending order by price.