



Assignment #1 – Single Table Selects BY RANDY LEON

Q1: Which destination in the flights database is the furthest distance away, based on information in the flights table? Show the SQL query(s) that support your conclusion.



Data Output			Query Editor	Query History
	max integer 		1	<code>select MAX(distance) from flights;</code>
1	4983			

Q2: What are the different numbers of engines in the planes table? For each number of engines, which aircraft have the most number of seats? Show the SQL statement(s) that support your result.

postgres@PostgreSQL 11					Query Editor		Query History
Data Output							
	max integer		engines integer		1	select MAX(seats), engines from planes	
					2	GROUP BY engines;	
1	16		1				
2	379		3				
3	450		4				
4	400		2				

The plane with 4 engines can seat the most, and that makes sense, to carry more weight. More passengers, means more in weight for themselves and their luggage.

Q3: Show the total number of flights.

Data Output			Query Editor	Query History
	count bigint 		1	<pre>select COUNT(*) from flights;</pre>
1	336776			

Q4: One of the musicians does not like the smell of fish, so list all details of guests who are slotted to sit by the band and ordering Salmon (Meal Code of 'S'). Return ordered by last name. Hint – consider 'In'

Notifications	Messages	Explain	Data Output	Query Editor	Query History
<div>ERROR: operator does not exist: smallint = boolean LINE 2: WHERE "Number" IN ^ HINT: No operator matches the given name and argument types. You might need to add explicit type casts. SQL state: 42883 Character: 36</div>				<div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div></div> <div><div>SELECT *</div><div>FROM guest</div><div>WHERE "Meal Code" = 'S' IN</div><div>(SELECT "Near Band Ind" FROM public."Table"</div><div>WHERE "Near Band Ind" = true)</div><div>AND "Meal Code" = 'S'</div><div>ORDER BY "Last Name";</div></div>	

This was by far the hardest problem in the assignment. I have tried to code this for over two hours, and this is the best look I was able to do. This needed a subquery referencing another table.

Q5: How many guests have responded they are going to the Rehearsal Dinner (values of 'A' or 'B' only) who either have not responded or responded before May

Data Output			Query Editor	Query History
	count bigint		1	SELECT COUNT(*)
			2	FROM guest
1	54		3	WHERE "Rehearsal Participant Code" = 'A'
			4	OR "Rehearsal Participant Code" = 'B'
			5	AND "Response Date" < '20200501'
			6	AND "Response Date" is NULL;