

CIS 344 Summer-2019
Professor Gonzalez
Homework #2 **Due Wednesday 06/19/2019**

- **No late homeworks are accepted no exceptions.**
- If you don't understand a homework question(s) or you're confused ask me in class or email me at carol.gonzalez@lehman.cuny.edu
- **You must screenshot every part of your code you created in the command including the errors you have encountered along the way. Email your code to carol.gonzalez@lehman.cuny.edu**
- **You must have your command line or Terminal open for me to see your code live.**

Based of homework #1 create the MySQL Code for the **Key West International Airport** database. **All code must be completed on the command line ONLY!**

Part #1: You must create the database on the command line or terminal

Part #2: You must create all the tables include all attributes, apply the correct data types to attribute, apply constraints and create the relationship. **You must show all the tables using the show tables command. You must describe every table using the describe table command.**

Part #3: See excel spreadsheet. You must insert all the data that is on the excel spreadsheet to there corresponding table. If the attribute name is different use the attribute name you see on the excel spreadsheet

Part #4: Create the following queries (**You must create comments for every query**).

1. Show all the employees we have in our database
2. Show all the airplane whose model number that start with 737
3. Show the First and Last name and email of all employees whose last name contains mi or nn or ar
4. Show the amount of employees that work for our airport
5. Show the First, Last name, job title and salary. Show me only first the 10 employees and sort them by their job title.
6. Show the employees full name, their full address, email, job title, hire date and salary. ***You must concatenate the full name of the employee and address. You must also format their salary and hire date. You must sort them***

their hire date. Format the date the exam date that translates 2019-03-24 and it must show as March 24, 2019 The job title must from sort from A - Z and salary must be sorted from lowest to highest.

7. Show the first and last name of the employee, their expertise, years of experience in the job and salary of the mechanic technician. **You must also format their salary** sort by their expertise in alphabetical order from A - Z and Sort it by salary from highest to lowest.
8. Show the full name of the employee, social security number, job title of the employee, the FAA test type, test name, the number hours of worked on test, the registration number, the exam date and the test score. We only want those employees who worked 25 hours and above. You must concatenate the full name of the employee, format the date the exam date that translates 2019-03-24 and it must show as 03/24/2019
9. Show all the employees first and last name, cell phone number, medical exam and salary. We only want those employees that make under 65K and whose name is Professor Xavier
10. Show name of the registration number, the capacity of the plane, weight of the plane, the name of the airport, model number, the FAA exam type and test score. We only want to know those whose test score is below a 90.
11. Show the airport name, the registration number, Model number of the plane, capacity of the plane, weight of the plane, FAA exam type, the Test name, their test score, the exam date, the full name of the employee performing the test. *Format the date the exam date that translates 2019-03-24 and it must show as March 24, 2019, You must concatenate the full name of the employee and the employee full name in alphabetical order*