Computer Assignment 1 on Access Database (Spring 2020)

**Part 1 (60 pts) – Create Queries**Queries a, b, c, d, e, and f require Computer Assignment 1 database file

1. List the FirstName, LastName, and Phone Number of customers who cancelled their Furniture Orders. Furniture is a category in the Products Table (Save the Query as Q1).
2. Create a query that displays number of orders, total and average values of orders by Region Name (Save the Query as Q2).
3. Create a query that lists employee’s first name, last name, salary, FICA, and Withholding. FICA and Withholding are calculated fields. FICA = 6.75% of Salary and Withholding = 20% of Salary. Name FICA and Withholding as FICA and Withholding (Save the Query as Q3).
4. List the first name, and last name of customers where the third character in the last name is e (Save the Q4).
5. Create a parameter query to list employees’ first name, last name, salary, and date hired by Department. Department name to be entered at run time (Save the Query as Q5).
6. List First Name, Last Name, and Salary of employees with a job rating of <=2 OR making more than $88,000 (Save the Query as Q9). Sort the salary in Ascending order.

**Part 2 (40 pts) – Creating Tables**

Create two tables, DEPARTMENT and WORKER in Computer Assignment 1 database file.  
DEPARTMNENT table contains the following fields:   
DeptID, DeptName, and NumberOfWorkers.   
WORKER table contains the following fields:   
WorkerID, WorkerName, Date\_Hired, Salary, and DeptID. DeptID is a foreign key.   
Define Primary keys for the two tables and enforce referential integrity between them. Use appropriate data type for the fields.   
Rules

i) DeptId is a Text field, size 3 bytes. First two characters are upper case letters, and third character is a digit.  
ii) Salary cannot be greater than $100,000.   
iii) Date\_Hired must be less than the current date  
iv) WorkerName cannot be blank