**Part A – Views**

Run the script ‘DBMS Assignment #08 Script (Views and System Catalog).txt’ (provided in the assignment folder). This will create the tables used for this assignment. Write the necessary SQL commands to perform the required actions. Run the queries to obtain results from the database. (Make sure all columns returned have proper headings.)

**Note:** These queries do not output any data, only success or failure messages.

Marks

4

6

1. Create a view called ‘RepCity’ to show the Salesrep Name, and City that the Salesrep works in.

1. Create a view called ‘CustOrders’ to show the customer name, product, description, quantity ordered and value of parts ordered. The column heading for the customers name should be ‘CustName’ and the column heading for value of parts ordered should be ‘Value’.

**Part B – System Catalog**

User ‘Bob’ has granted you access to some of his tables. Using the system catalog views, perform the following:

* Determine what tables and privileges have been granted directly to you and what privileges and tables have been granted to ‘Public’.
* Explore the information on the catalog and write the necessary CREATE TABLE statements so you could recreate Bobs’ tables for yourself.
* **NOTE: Only list tables owned by ‘Bob’. You will have access to other tables owned by other users. Only show ‘Bob’s objects.**

4

***What to hand in:***

* Place a comment block similar to the one below in your SQL script. In this comment block, first list the tables that you have access to because Bob gave it to your account, along with the privileges received on those tables. Next, list the tables you have access to because Bob has given access to Public. List the privileges he gave to public on these tables.

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--Tables my account has access to: Privileges given:

--1)

---------------------------------------------------------

--Tables PUBLIC has access to: Privileges given:

--1)

* Code the CREATE TABLE statements that would allow you to create an EXACT COPY of the tables owned by Bob. This includes table and column names, data types, constraints and constraint names, order of columns, order of Primary Key/Foreign Key columns, etc. Place all constraint definitions on the CREATE. DO NOT use ALTER.

Marks

19

9

/42

* List all the SQL statements necessary to query the System Catalog so you can create a copy of Bob’s tables for yourself. (Tables, columns, constraints, constraint columns, privileges, etc).

***NOTES:***

There are several different sets of tables owned by Bob. Not all students will have access to the same ones…

Bob is not a great programmer – the standards Bob used may not be as we discussed in class. His naming standards used may be wrong, the positions of columns in the tables may be incorrect, etc.

When writing the ‘CREATE TABLE statements, there is no way to determine the order Bob used to create the constraints. In this case *only*, place constraints on the table in the order discussed in class.

***The following standards are to be used when coding:***

* A comment that consists of your name & student number, course & section, date, and assignment number must be placed as the first 4 lines (Comments are indicated by placing dashes ‘--‘ in the first two columns of the line)
* Place a comment before every question indicating the question number. E.g.  
   --Question 1
* Keywords are in Uppercase
* Names are coded in camel case (First letter capitalized)
* Each clause is placed on a line by itself

***Submission Instructions***

* The file must be an SQL script (which ends with the suffix ‘.sql’), which is simply a text file (created in Notepad or an equivalent editor). No other type of file is acceptable.
* DO NOT compress the file into any sort of archive, submit the SQL Script directly to the appropriate LEARN dropbox.
* Submission of an invalid file type (any file type other than an SQL script) results in an immediate mark of zero.