Practical 06 – Exercise 06

Data Manipulation (12 marks)

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Important Notes:
1. Bring the following to the practical session:
    a. The Practical Textbook and/or the lecture notes for the exercise class in which the exercise was explained

2. SQL scripts are what is marked
    a. Scripts which run and perform what they are supposed to do get full marks
    b. Scripts which do not run will be marked on their own merit

3. Please refer to Hotek Chapter 9, as well as the class notes (07SQLCh09.pdf) on ClickUP for examples on generic structures as well as specific code.

CONTEXT:
The practical exercise is based on the DBSocialHire database. Run the **dbsocialhire.sql** script to create and populate the database.

Queries – DBSocialHire

1. Make use of PIVOT to indicate the number of items per Client based on the ClientID. **(4)**
   - Refer to the clients as ([1],[2],[3],[4],[5],[6],[7],[8],[9],[10],[11],[12],[13],[14])
   - All items should be displayed per ClientID PIVOTED with client.

2. Write one query that indicates the number of items per Client based on the ClientID and ItemName. **(4)**
   - Refer to Client as ([1],[2],[3],[4],[5],[6],[7],[8],[9],[10],[11],[12],[13],[14])
   - The count for each Items per Client should be displayed as a PIVOT related to the aforementioned Clients.

3. Write one query that indicates the number of items per Client based on the ClientID and ItemName. **(4)**
   - Refer to client as

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[1] as [Carmen Jeppe],
[2] as [Joan Serah],
[3] as [Leah Louw],
[4] as [Donald Duck],
[5] as [Kerri Fischer],
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 [6] as [Thembi Nkosi],
 [7] as [Cecil Rhodes],
 [8] as [Phineas Serah],
 [9] as [Ferb Serah],
[10] as [Dorah Explorer],
[11] as [Humpty Dumpty],
[12] as [John Pierre],
[13] as [ Louis Lane],
[14] as [Mark Diesel]
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- The count for each order per customer should be displayed as a PIVOT related to the aforementioned employees.