Practical 07 – Exercise 07

Views & Revision (20 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 11, as well as the class notes (08SQLCh11.pdf) on ClickUP for examples on generic structures as well as specific code. Also refer to previous sections of in your textbook to complete the revision questions.

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

Queries – Ultimate_DataBase

Section A – Views (Save as prac07ViewsSQL.sql)

1 Create a view named Rusternburg Breakage that will show which buildings from Rusternburg have had breakages. The result should appear as indicated in the following example / snippet: **(4)**

	Brk_Description	Brk_Date	Bld_Name	City_Name
1	Toilet Seat Broken	2009-05-03 00:00:00.000	Fields	Rustemburg
2	Door Handle Loose	2008-04-02 00:00:00.000	Lodge	Rustemburg
3	Toilet Broken	2008-04-03 00:00:00.000	Fields	Rustemburg

2. Create a view named Amount_of_Complaints that counts the number of **(4)**
complaints per building. Display the building name, ID and number of complaints.
The result should appear as indicated in the following example / snippet:

	Bld_Name	Bld_ID	Count_
1	Scarabeus	3	2
2	The Wall	1	2
3	The Gables	4	3
4	Riveria Close	2	3

Section B – Revision (save as prac07RevisionSQL.sql)

3. Make use of any scripting technique required to produce the following result: **(6)**

	Inspection Date	Report	Description	Building Name
1	05 Aug 2008	Place left in a mess	Outgoing	Riveria Close
2	05 Aug 2007	inspection passed	Outgoing	Riveria Close
3	05 Aug 2006	Place left in a mess	Outgoing	Riveria Close

4. Make use of any scripting technique required to produce the following result: **(6)**

	Applicant Name	App_ID_Number	Applicant Age	Employee Name	Emp_Type
1	Tumi Phorosi	7711312589635	37	Elsabe Elsabe	Agent

TOTAL (20)

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