Practice 5

Practice name	DDL
Academic Program	Software Engineering
Subject name	Laboratory of Database Systems II
Unit	I. SQL.
Professor	Aldonso Becerra Sánchez
Due date	September 14, 2021
Due date with penalty	September 15, 2021
Elaboration date	September 14, 2021

Practice objective	Review the notion of Oracle DDL statements creating corrections of co-workers.
Estimated time of completion	2 hours
Introduction	The Oracle DDL language is transcendental in the handling of SQL statements at the level of both administrator and database programmer, since it allows the definition of database schemes regardless of the platform used to generate it. Sequences, synonymous and indexes are salient objects in Oracle, since they can help you in several tasks during daily programmer's days.

Reference 1:

1. Oracle Database 11g: SQL Fundamentals.

Reference 2:

2. Oracle Database SQL Language Reference 11g.

Reference 3:

Initial Activity: -

Write the corresponding report. Start with the **Introduction** section.

Activity 1:

Write the section that describes the **Work developed** in the following activities.

You should define a problem statement about a topic of interest (a brief description). Write it as part of the activity 1.

Example.

"A toy factory wants to keep track of its daily production. In this scenario, suppliers provide each part that is required, giving those supplied on a monthly basis".

Activity 2:

The problem statement of activity 1 will be passed to you (from another classmate). With this problem statement, you should be able to generate the ER diagram.

Activity 3:

The problem statement and its corresponding ER diagram of activity 2 will be passed to you (from another classmate). With these two items, you should correct the necessary parts of the ER diagram (using your abstraction) according to its problem statement, then, you should be able to generate the relational diagram by using "Dia" software.

Activity 4:

The ER and relational diagrams of activity 3 will be passed to you (from another classmate). With just these two diagrams, you should correct the necessary parts of the relational diagram (using your abstraction) according to its ER diagram, then you should be able to generate the Oracle DDL sentences. You should add the basic indexes according to the diagram (reading the possible data to extract), the necessary sequences for the solution and the appropriate synonyms taking into account your insight.

With these tables, you should automatically generate the physical diagram in DATA MODELER (dragging the tables). Compare this diagram with the relational model made by Dia.

Activity 5:

You should generate a unique document integrating each phase of your tasks. For each phase: the input and the output.

Activity 9:

Write the **Pre-assessment** section.

Final activity:

Write the **Conclusion** section.

Attached file that is required for this task (optional):

e-mail: a7donso@gmail.com