**CREATING TABLES AND WRITING SQL QUERIES**

**NAME:**

**SECTION:**

**INSTRUCTIONS:**

1. Check the newly uploaded powerpoint presentation from Software Engineering Lecture in BrightSpace, the one entitled *“Creating Tables and Writing Queries using Structured Query Language (SQL)*”.
2. Your goal is to **INSERT RANDOMLY GENERATED RECORDS** in the data model given for **Problem Statement # 2**. You may copy the SQL code used to create the tables first and then write an SQL query that can enable records to be inserted into the database. You can use mockaroo.com to generate random data.
3. Ensure that the records you randomly generated can at least be found in the given SQL exercises. There’s no limit to the number of rows each table can contain, but try to keep the number in a way that the SQL compiler’s performance efficiency won’t be affected.
4. Provide the **SQL queries being asked** to find based on the given task. No SQL query should have an empty result set.
5. Paste a **screenshot of the SQL code** below each number and please don’t forget to upload the **SQL queries** you used to **GitHub** and paste the repository link on the last page of this document.
6. For the SQL code schema, name the file *schema.sql*, and for the sql code used to insert the records, name the file *data.sql*.
7. You may use programiz.com sql compiler or the MySQL from XAMPP.
8. Please keep in mind that having randomly generated data that is **VERY SIMILAR** to your classmate may be subject to a **major deduction** to this given activity.

**EXERCISES:** Give the SQL query being asked.

1. Select all users who are born between January 1, 2000 and December 31, 2004.

A screenshot of a computer program

Description automatically generated

1. Select all the posts written by the user with a user\_id of 4.

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Description automatically generated

1. Select all the group names existing in the database.

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1. Select all the group membership requests made by the user with a user\_id of 2.

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1. Select all the friends of the user with a user\_id of 2.

A screenshot of a computer

Description automatically generated

1. Select all the friend requests that user with a user\_id of 1 has sent. The friend request can either be accepted or not yet accepted.
2. Select all the posts visible only for the group with a group\_id of 2.
3. Select all the group membership requests from the group with a group\_id of 2 that are not yet accepted.

**SQL QUERY GITHUB LINK:**

Paste the SQL code you used for the schema (creating the table) and the records you inserted. Name the scema sql code *schema.sql* and for the code used to insert records, *data.sql*

*Paste github repository link here.*

Answer:

https://github.com/Ashuuramaru/OnSiteAct3