**FE 513: Homework Assignment 2**

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**Question 1**

* 1. **Creating table “World”** **which contains information about countries:**

**Script:**

DROP TABLE IF EXISTS World;

CREATE TABLE IF NOT EXISTS World(

name varchar(30),

continent varchar(30),

area bigint,

population bigint,

gdp bigint,

PRIMARY KEY (name)

);

**Result:**

Graphical user interface, text, application

Description automatically generated

* 1. **Inserting sample records in “World”.**

**Script:**

INSERT INTO World(name, continent, area, population, gdp)

VALUES('Afghanistan', 'Asia', 652230, 25500100, 20343000000),

('Albania', 'Europe', 28748, 2831741, 12960000000),

('Algeria','Africa',2381741,37100000,188681000000),

('Andorra', 'Europe', 468, 78115, 3712000000),

('Angola', 'Africa', 1246700, 20609294, 100990000000);

SELECT \* FROM World;

**Result:**

Graphical user interface, application

Description automatically generated

* 1. **Query to report the name, population, and area of the big countries.**

**Script:**

SELECT name, population, area FROM World

WHERE area>=3000000

OR population >= 25000000;

**Result:**

Graphical user interface, application

Description automatically generated

**Question 2**

**2.1 Creating Enum type choice.**

**Script:**

CREATE TYPE choice AS ENUM('Y', 'N');

**Result:**

**Graphical user interface, application

Description automatically generated**

**2.2 Creating table “Products table”.**

**Script:**

DROP TABLE IF EXISTS Products\_table;

CREATE TABLE IF NOT EXISTS Products\_table(

product\_id int,

low\_fats choice,

recyclable choice,

PRIMARY KEY (product\_id)

);

**Result:**

Graphical user interface, application

Description automatically generated

**2.3 Inserting sample records in Products\_table.**

**Script:**

INSERT INTO Products\_table(product\_id, low\_fats, recyclable)

VALUES(0,'Y','N'),

(1,'Y','Y'),

(2,'N','Y'),

(3,'Y','Y'),

(4,'N','N');

SELECT \* FROM Products\_table;

**Result:**

Table

Description automatically generated

**2.4 Query to find the IDs of products that are both low-fat and recyclable.**

**Script:**

SELECT product\_id FROM Products\_table

WHERE low\_fats = 'Y'

AND recyclable = 'Y';

**Result:**

**Graphical user interface, application, table

Description automatically generated**