Institute of Computer Engineering Technology

iCET Certified Master

ASSIGNMENT

Assignement	WEEK 01 - DBMS
Name	SQL Basic Commands Practice
Ass. Date	11th November 2023

Create a database statement:

CREATE DATABASE your_database_name;

Use the created database statement:

USE your_database_name;

Create Table Statement:

```
CREATE TABLE your_table_name (
  column1_name datatype1,
  column2_name datatype2,
  column3_name datatype3,
  -- add more columns as needed
);
```

Insert data into the table:

```
INSERT INTO your_table_name (column1_name, column2_name, column3_name, ...)
  VALUES
  (value1, value2, value3, ...),
  (value1, value2, value3, ...),
  -- add more rows as needed
;
```

1) Create a database named "university" and use it.

2) Create a table named "student" with columns for student ID (integer), first name (varchar), last name (varchar), and date of birth (date), and insert the given sample data.

```
+------------+------------+-----------+---------------+
| student_id | first_name | last_name | date_of_birth |
+------------+------------+-----------+---------------+
|          1 | John       | Doe       | 1990-05-15    |
|          2 | Jane       | Smith     | 1992-08-22    |
|          3 | Bob        | Johnson   | 1995-02-10    |
+------------+------------+-----------+---------------+
```

3) Create a table named "book" with columns for book ID (integer), title (varchar), author (varchar), and publication year (int), and insert the given sample data.

```
+---------+----------------------+-----------------------+------------------+
| book_id | title                | author                | publication_year |
+---------+----------------------+-----------------------+------------------+
|       1 | The Great Gatsby     | F. Scott Fitzgerald   |             1925 |
|       2 | To Kill a Mockingbird | Harper Lee           |             1960 |
|       3 | 1984                 | George Orwell         |             1949 |
+---------+----------------------+-----------------------+------------------+
```

4) Create a table named "orders" with columns for order ID (integer), customer ID (integer), order date (date), and total amount (decimal), and insert the given sample data.

```
+----------+-------------+------------+--------------+
| order_id | customer_id | order_date | total_amount |
+----------+-------------+------------+--------------+
|        1 |         101 | 2023-01-15 |       150.75 |
|        2 |         102 | 2023-02-20 |        75.50 |
|        3 |         103 | 2023-03-10 |       200.25 |
+----------+-------------+------------+--------------+
```

5) Create a table named "employee" with columns for employee ID (integer), first name (varchar), last name (varchar), and department ID (integer), and insert the given sample data.

```
+-------------+------------+-----------+---------------+
| employee_id | first_name | last_name | department_id |
+-------------+------------+-----------+---------------+
|           1 | Alice      | Johnson   |           101 |
|           2 | Bob        | Smith     |           102 |
|           3 | Charlie    | Brown     |           103 |
+-------------+------------+-----------+---------------+
```

6) Create a table named "product" with columns for product ID (integer), product name (varchar), price (decimal), and stock quantity (int), and insert the given sample data.

```
+------------+--------------+--------+----------------+
| product_id | product_name | price  | stock_quantity |
+------------+--------------+--------+----------------+
|          1 | Laptop       | 899.99 |             50 |
|          2 | Smartphone   | 499.99 |            100 |
|          3 | Headphones   |  79.99 |            200 |
+------------+--------------+--------+----------------+
```

7) Create a table named "category" with columns for category ID (integer) and category name (varchar), and insert the given sample data.

```
+-------------+---------------+
| category_id | category_name |
+-------------+---------------+
|           1 | Electronics   |
|           2 | Books         |
|           3 | Clothing      |
+-------------+---------------+
```

8) Create a table named "invoice" with columns for invoice ID (integer), customer ID (integer), invoice date (date), and total amount (decimal), and insert the given sample data.

```
+------------+-------------+--------------+--------------+
| invoice_id | customer_id | invoice_date | total_amount |
+------------+-------------+--------------+--------------+
|          1 |         201 | 2023-04-05   |       120.50 |
|          2 |         202 | 2023-05-12   |        75.25 |
|          3 |         203 | 2023-06-20   |       300.00 |
+------------+-------------+--------------+--------------+
```

9) Create a table named "event" with columns for event ID (integer), event name (varchar), date (date), and location (varchar), and insert the given sample data.

```
+----------+----------------+------------+-------------------+
| event_id | event_name     | date       | location          |
+----------+----------------+------------+-------------------+
|        1 | Conference X   | 2023-07-15 | City Hall         |
|        2 | Music Festival | 2023-08-22 | Park Plaza        |
|        3 | Tech Expo      | 2023-09-10 | Convention Center |
+----------+----------------+------------+-------------------+
```

10) Create a table named "task" with columns for task ID (integer), task description (text), and due date (date), and insert the given sample data.

```
+---------+------------------------------+------------+
| task_id | task_description             | due_date   |
+---------+------------------------------+------------+
|       1 | Complete project proposal    | 2023-10-15 |
|       2 | Prepare for meeting with client | 2023-11-02 |
|       3 | Review and submit report     | 2023-12-01 |
+---------+------------------------------+------------+
```