Homework

1.Write a SQL statement to create a table Users.

Users should have username, password, full name and last login time. Choose appropriate data types for the table fields. Define a primary key column with a primary key constraint. Define the primary key column as identity to facilitate inserting records. Define unique constraint to avoid repeating usernames. Define a check constraint to ensure the password is at least 5 characters long.

2.Write a SQL statement to create a view that displays the users from the Users table that have been in the system today.

Test if the view works correctly.

3.Write a SQL statement to create a table Groups.

Groups should have unique name (use unique constraint). Define primary key and identity column.

4.Write a SQL statement to add a column GroupID to the table Users.

Fill some data in this new column and as well in the Groups table. Write a SQL statement to add a foreign key constraint between tables Users and Groups tables.

5.Write SQL statements to insert several records in the Users and Groups tables.

6.Write SQL statements to update some of the records in the Users and Groups tables.

7.Write SQL statements to delete some of the records from the Users and Groups tables.

8.Write SQL statements to insert in the Users table the names of all employees from the Employees table.

Combine the first and last names as a full name. For username use the first letter of the first name + the last name (in lowercase). Use the same for the password, and NULL for last login time.

9.Write a SQL statement that changes the password to NULL for all users that have not been in the system since 10.03.2010.

10.Write a SQL statement that deletes all users without passwords (NULL password).

11.Write a SQL query to display the average employee salary by department and job title.