**TASK 4**

1. One can restrict access to certain columns of a database using GRANT, which allows or block access to a user on columns.

Ex. GRANT SELECT (column\_name) ON table\_name TO user\_name;

1. User identification is the process of declaring your username, meaning you identify who you are.

User authentication is the process of verifying that you are the user, you cliam to be, meaning proving who you are, mainly done via password.

1. GSSAPI is an industry-standard protocol for secure authentication, which is mainly used for enterprise environments with single sign on.

SCRAM-SHA-256 is a secure authentication method via password, that hashes passwords to protect them during sending them in the network. It is the improved and more secure option of the previous MD5 protocol.

1. Proxy authentication in PostgreSQL means that one user or application can switch between roles without the urge to reconnect from the database. This can be done via this query line:

SET ROLE role\_name;