**What is a schema in SQL Server?**

* A Schema in SQL is a logical Object that is used to organize tables within a database.

**How is a schema different from a database?**

* A schema is a logical Object whilst the database is the actual saved data.

**List at least two benefits of using schemas in real applications.**

1. It helps organize the database for easier use
2. It allows the use of similar names for tables

**Can different schemas have the same table name?**

* Yes, they can as mentioned before and it is of great benefit because in many cases we uses the same things for different instances for example we can create two schemas with a table named “Name” one schema for products in a store and the other for the products in it.

**What are the advantages of separating tables into schemas in a large system?**

* Organization and Clarity
* Supports modular development and deployment. As in Different teams can work on separate schemas without interference.
* Name Collision Avoidance
* Maintenance tasks like backup, auditing, or migrations can be targeted by schema.
* Makes it easier to partition or scale out the database.

**How can schemas support security and access control?**

* You can grant or deny access at the schema level, not just at the database or table level.

**Suggest a new department that could be added to this system and which tables it would manage.**

* We can add an IT department since all organizations utilize tech and need help in using them and the tables within it could be (TicketID, DeviceID, TicketStatus) the ticket here would refer to the tasks given to the department and the DeviceID would refer to a device possessed by the department.