**Stratacent Case Study**

Database

* Hotel (Hotel\_No, Name, Address)
* Room (Room\_No, Hotel\_No Type, Price)
* Booking (Hotel\_No, Guest\_No, Date\_From, Date\_To, Room\_No)
* Guest (Guest\_No, Name, Address)

Create a separate table with the same structure as the Booking table to hold archive records

Using the INSERT statement, copy the records from the Booking table to the archive table relating to bookings before 1st January 2000.

Delete all bookings before 1st January 2000 from the Booking table

Simple Queries

1. List full details of all hotels
2. List full details of all hotels in London
3. List the names and addresses of all guests in London, alphabetically ordered by name
4. List all double or family rooms with a price below Rs 40.00 per night, in ascending order of price
5. List the bookings for which no date\_to has been specified

Aggregate Functions

1. How many hotels are there?
2. What is the average price of a room?
3. What is the total revenue per night from all double rooms?
4. How many different guests have made bookings for August?

Subqueries and Join

1. List the price and type of all rooms at the Grosvenor Hotel.
2. List all guests currently staying at the Grosvenor Hotel
3. List the details of all rooms at the Grosvenor Hotel, including the name of the guest staying in the room, if the room is occupied
4. What is the total income from bookings for the Grosvenor Hotel today?
5. List the rooms that are currently unoccupied at the Grosvenor Hotel
6. What is the lost income from unoccupied rooms at the Grosvenor Hotel?

Grouping

1. List the number of rooms in each hotel
2. List the number of rooms in each hotel in London
3. What is the average number of bookings for each hotel in August?
4. What is the most booked room type for each hotel in London?
5. What is the lost income from unoccupied rooms at each hotel today?