

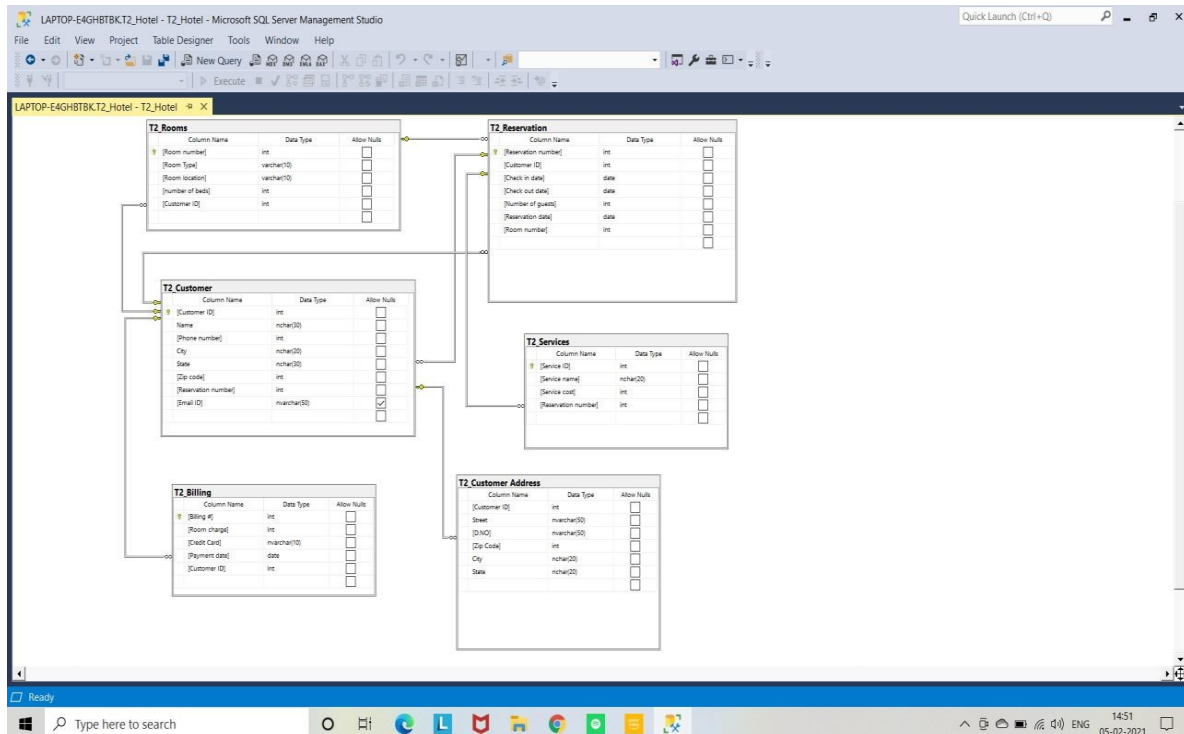
DBMS Lab Assignment

Name – Anmol Kumar

Reg no. – 19BCS011

TOPIC: HOTEL DATABASE ERDIAGRAM.

E.R DIAGRAM



What is a weak entity?

In a relational **database**, a **weak entity** is an **entity** that cannot be uniquely identified by its attributes alone; therefore, it must use a foreign key in conjunction with its attributes to create a primary key. The foreign key is typically a primary key of an **entity** it is related to.

Weak entity in our ER model

In the above ER diagram the entity Customer Address is a weak entity because it can't be uniquely identified with its own attributes. As we could notice there is no separate primary key for the Customer Address entity. The Customer I.D key acts as primary key and foreign key for the Customer Address entity. The Customer Address is completely dependent on the Customer entity's primary key i.e Customer I.D.

So the entity Customer Address is the weak entity and the relation it shares with the Customer entity is the weak relationship.

THANK
YOU