Self-Study

1. ## Remote Desktop Connection Software

   Remote desktop connection software allows an individual to share and control a computer or machine from another place over the internet. It clones the desktop of the remote machine on the user's system and lets them use it as if physically located at the remote machine.

   It is mainly used in remote control machines for different purposes like in remote work or support like accessing work computers from home to provide technical support or to manage a server or any it infrastructure without physical access. It can also be used in collaboration like sharing screens or presentations.

2. ## How to map a many-to-many unary relationship?

   To convert a many-to-many unary relationship first create two tables one for the entity itself and the other to represent the relationship through storing a foreign key attribute from the entity itself and another attribute that stores the value that makes the relationship between the entity and itself and consider both attributes as a composite primary key for the second table.

Aspect	Many-to-Many Unary	One-to-Many Unary
Definition	An instance relates to many instances, and vice versa.	An instance relates to many instances, but each instance relates to at most one.
Tables Required	Two tables: an entity table and a junction table.	One table: the entity table with a self-referencing foreign key.
Key Representation	Second table has two foreign keys referencing the entity table's primary key, with a composite primary key.	Entity table has a single foreign key referencing its own primary key.
Additional Attributes	Stored in the second table as additional columns.	Stored in the entity table alongside the foreign key.