Mapping Constraints
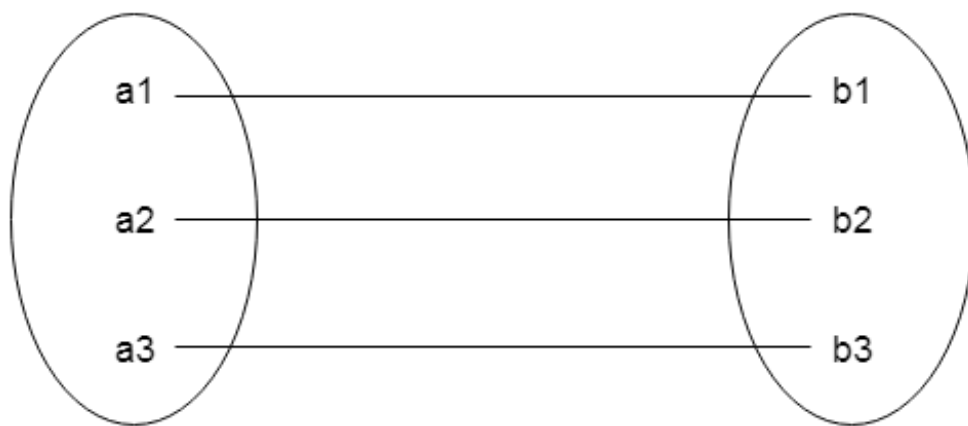
A mapping constraint is a data constraint that expresses the number of entities to which another entity can be related via a relationship.

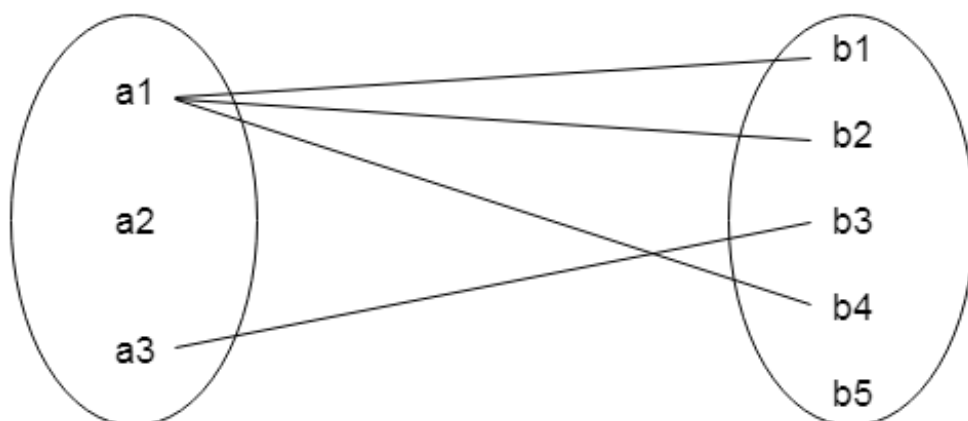For binary relationship set R on entity set A and B, there are four possible mapping cardinalities.

One-to-one

In one-to-one mapping, an entity in A is associated with at most one entity in B and an entity in B is associated with at most one entity in A.
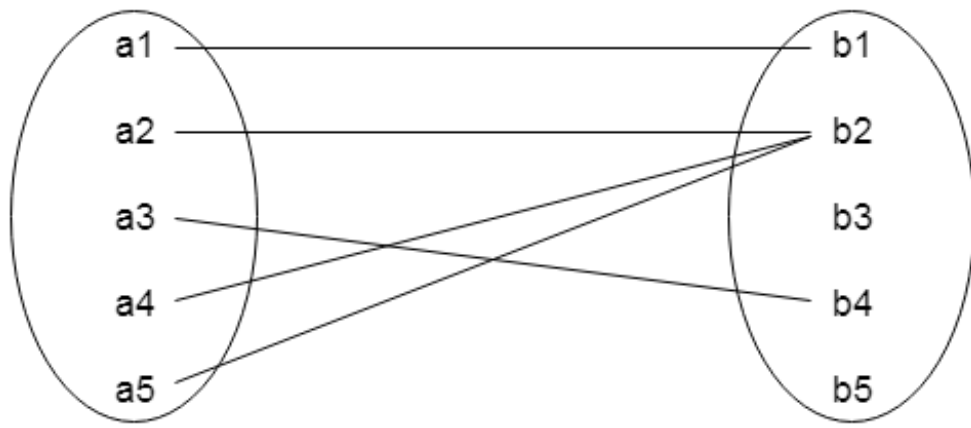

One-to-many

In one-to-many mapping, an entity in A is associated with any number of entities in B and an entity in B is associated with at most one entity in A.

Many-to-one

In Many-to-one mapping, an entity in A is associated with at most one entity in B and an entity in B is associated with any number of entities in A.

Many-to-many

In many-to-many mapping, an entity in A is associated with any number of entities in B and an entity in B is associated with any number of entities in A.