Assignment 1 : Entity Relationship Diagrams :
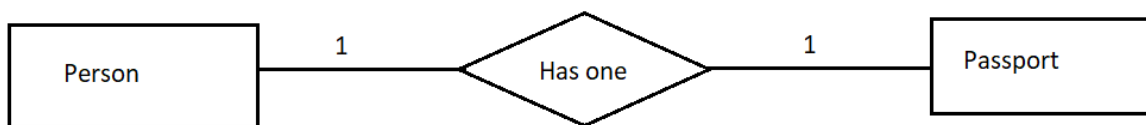
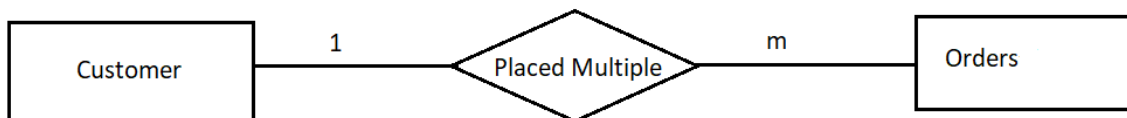1.One-to-One

- A one-to-one relationship means that each record in one table corresponds to one and only one record in another table.
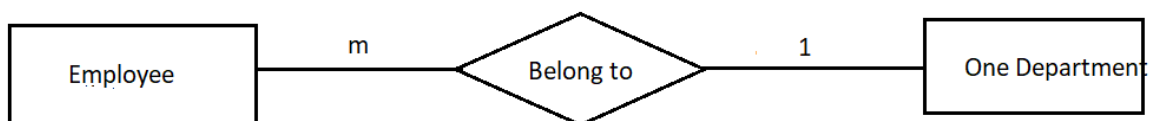
| Person | —1— | Has one | —1— | Passport |

2.One-to-Many

- A one-to-many relationship means that a record in one table can have multiple related records in another table, but each record in the second table relates to only one record in the first table.

| Customer | —1— | Placed Multiple | —m— | Orders |

3.Many-to-One

- A many-to-one relationship is essentially the inverse of a one-to-many relationship. Many records in one table relate to a single record in another table.

| Employee | —m— | Belong to | —1— | One Department |

4.Many-to-Many

- A many-to-many relationship means that records in one table can have multiple related records in another table, and vice versa. This is typically implemented using a junction table.

| Student | m — Enroll — m | Many Courses |