**Relationships Between Entities**

Product belongs to one Product Category; a category can have multiple products.

Customer can place multiple Orders; each order is associated with one customer.

Order can have multiple Order\_Items; each order item is linked to one product.

Supplier can provide multiple Products; each product is supplied by one supplier.

Purchase\_Order is placed to one Supplier; a supplier can receive multiple purchase orders.

Purchase\_Order can have multiple Purchase\_Items; each purchase item is linked to one product.

Invoice is generated for one Order; each order has one invoice.

Payment is made against one Invoice; each invoice can have multiple payments.

Employee processes multiple Orders and Purchase\_Orders; each order or purchase order is handled by one employee.

