**Task 1: Entity relationship diagrams**

# What is an entity in the context of databases?

Entity relationship diagrams is a type of structural diagram for use in database design and it contains different symbols and connectors that visualize two valuable information.

# 2. The relationship between two entities may be one of three types, or degrees.

# What are the three degrees of relationship between entities?

1. One to One
2. One to Many
3. Many to many

Diagram

Description automatically generated

4. A company makes a range of kitchen utensils which they sell online. They record details of their customers, products and orders received in a database. An order may be for several products.

Complete the E-R diagram to show all the relationships between all the entities.

Customer

Product

Order

OrderLine

5. Complete the design of the order form shown below. Enter some data for a sample order for **three** different products.

|  |  |  |  |
| --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | (Customer details) |  | Kitchen Tools Ltd  (address)  Order number:  Date: | |
|  |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Line | Qty | Product code | Description | Unit price  Total: | Total price | |

On your order form, what are the primary key fields of the entities Customer, Product, Order, OrderLine?

1. Product Code
2. Order Number

**Task 2**

I was able to create an ERD table with their relational attribute.

Graphical user interface, application

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