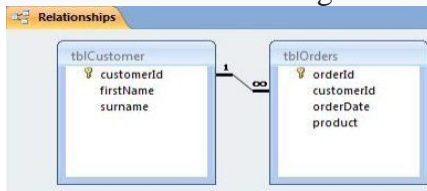**Competency 9 – Develops simple databases to elicit information.**

Competency Level 9.4 – Design a simple relational Database.

1. Write the three possible types of connections between two tables in database.

2. There are many courses in one educational institution and a maximum of 50 students are enrolled in one course. .Student may join several courses.

i. What are the 2 Tables available for building a linked database as described above?

ii. Write the appropriate primary keys for those tables separately.

iii. Write the relationship between the two tables above.

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3. Below are two tables of existing database management systems in a particular store.

i. Write down the primary keys in the two tables separately.

ii. Write down a foreign key with the name of the relevant table.

iii. What is the relationship between the two tables?

iii.   tblCustomer

customerId	firstName	surname
001	Sarath	Bandara
002	Kasun	Rathnayake

tblOrders

orderId	ustomerID	rderDate	product
A001	001	05-4-2021	Soap
A002	002	23-4-2021	Mask
A003	002	03-5-2021	Mask
A004	002	18-5-2021	Mask

If a new buyer named Supun Dhananjaya placed a soap order in the shop on 09-6-2021, write down the table / tables to be updated with the relevant recorder.