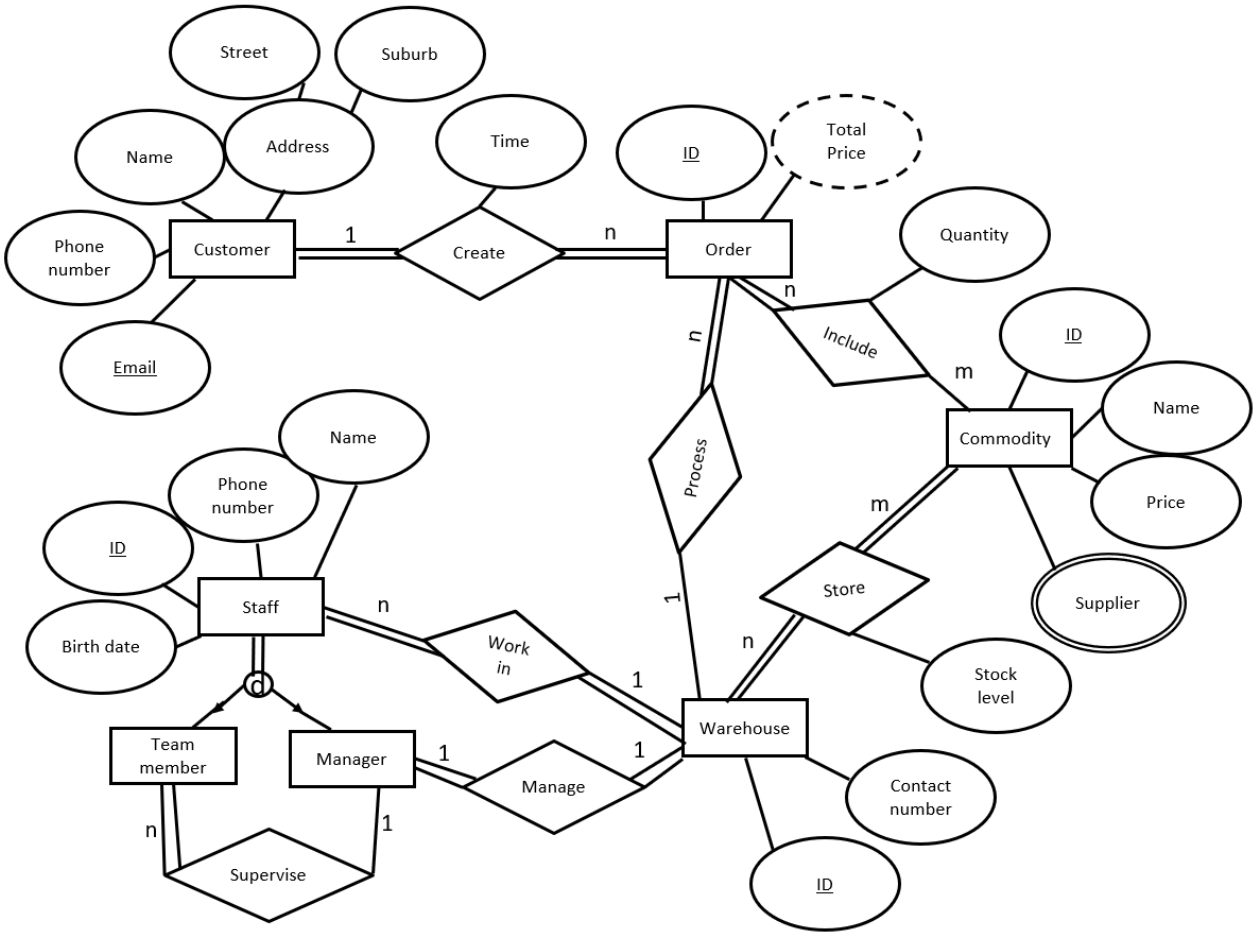
Question 1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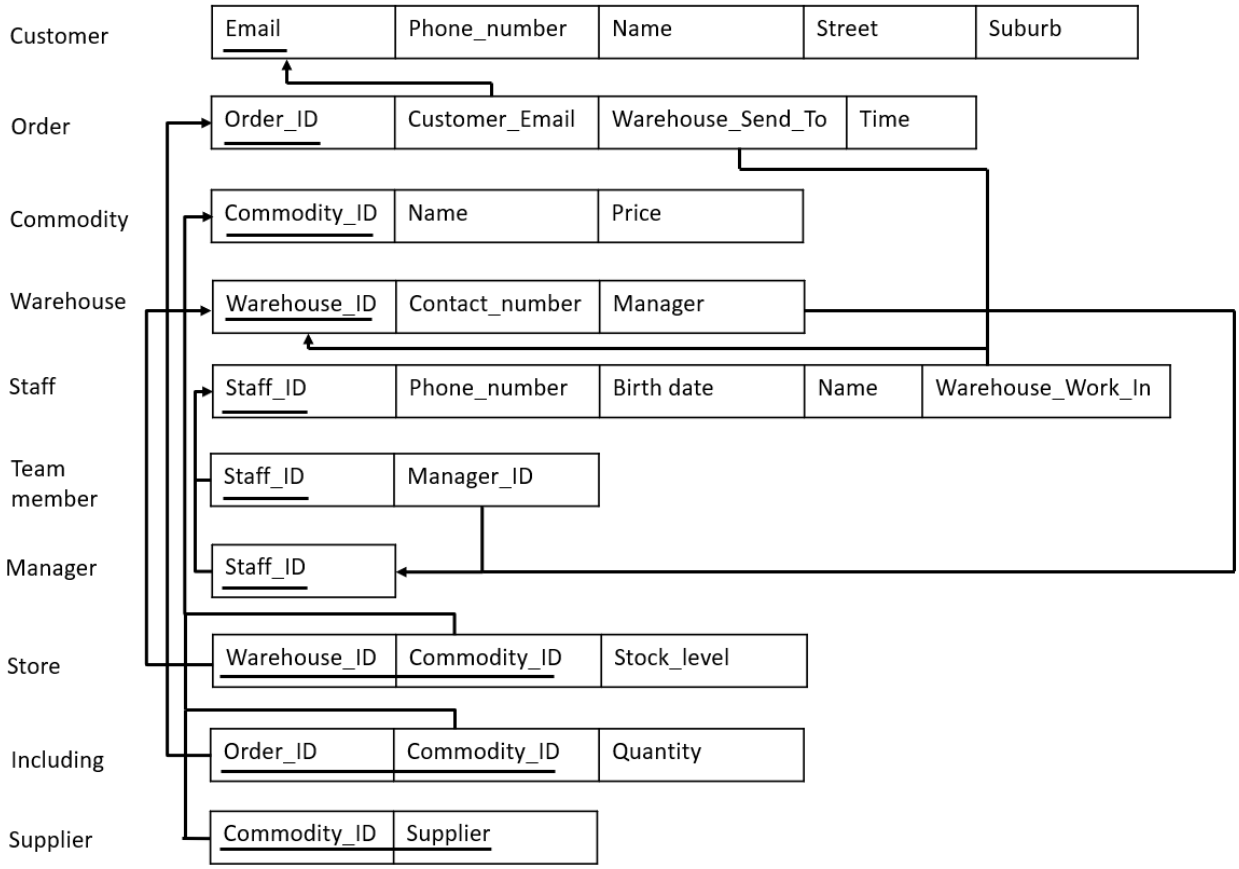
Suburb
Name
Address
Time
ID
Total Price
Phone number
Customer
1
Create
n
Order
Quantity
Email
n
n
Include
m
ID
Name
Process
Commodity
Name
Phone number
m
Price
ID
Staff
n
Store
Supplier
Birth date
1
n
Work in
Stock level
d
1
Warehouse
Team member
Manager
1
1
Manage
Contact number
n
1
Supervise
ID

Question 2


Customer
Email
Phone_number
Name
Street
Suburb
Order
Order_ID
Customer_Email
Warehouse_Send_To
Time
Commodity
Commodity_ID
Name
Price
Warehouse
Warehouse_ID
Contact_number
Manager
Staff
Staff_ID
Phone_number
Birth date
Name
Warehouse_Work_In
Team member
Staff_ID
Manager_ID
Manager
Staff_ID
Store
Warehouse_ID
Commodity_ID
Stock_level
Including
Order_ID
Commodity_ID
Quantity
Supplier
Commodity_ID
Supplier

Question 3

1) $\prod_{name}((\sigma_{gender='Female'}(Student)) \bowtie Enrolment \bowtie (\sigma_{job='designer'}(JobRequirement)))$
2) $A \leftarrow \prod_{name}(Student \bowtie (Enrolment \div \prod_{courseID}(\sigma_{job='designer'}(JobRequirement))))$
   $B \leftarrow \prod_{name}(Student \bowtie Enrolment \bowtie (\sigma_{faculty='law'}(Course))))$
   $C \leftarrow A-B$
3) $A \leftarrow \prod_{courseName}(Course \bowtie Enrolment \bowtie (\sigma_{gender='female'}(Student)))$
   $B \leftarrow \prod_{courseName}(Course \bowtie Enrolment \bowtie (\sigma_{gender='male'}(Student)))$
   $C \leftarrow (A-B) \cup (B-A)$