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## ❖ Database Project:

### 1-Topic: Supermarket.

### 2-Requirements:

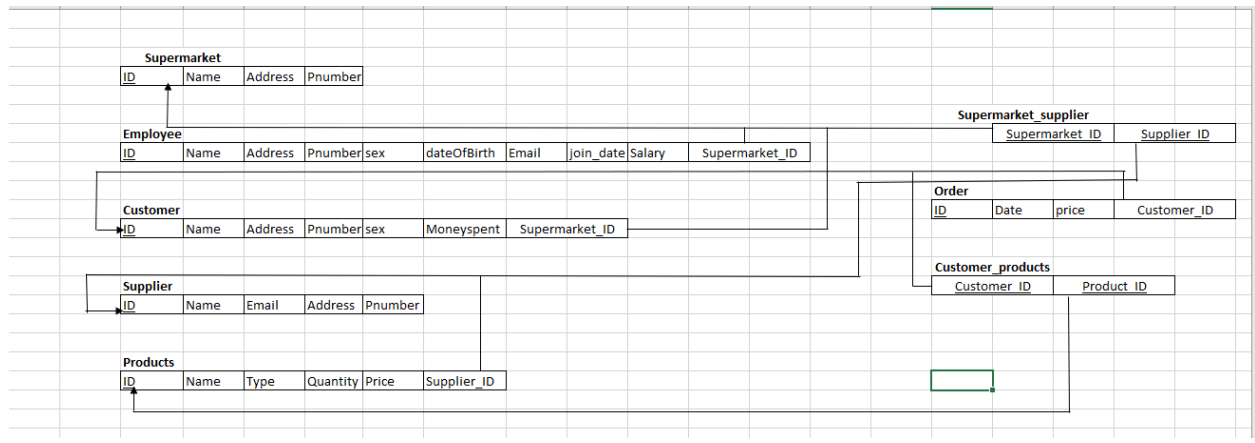
- ✓ A Supermarket is identified by: Name, ID, Address, Phone number.
- ✓ An Employee is identified by: Ssn, Name, ID, Phone number, Sex, Address, Salary, Email.
- ✓ A Customer is identified by: Ssn, Name, ID, Phone number, Sex, Address, Money spent.
- ✓ A Product is identified by: Name, ID, Type, Price, Quantity.
- ✓ A Supplier is identified by: Name, ID, Phone number, Address, Email.
- ✓ An Order is identified by: ID, Price, Quantity, Date.

### 3-Relations:

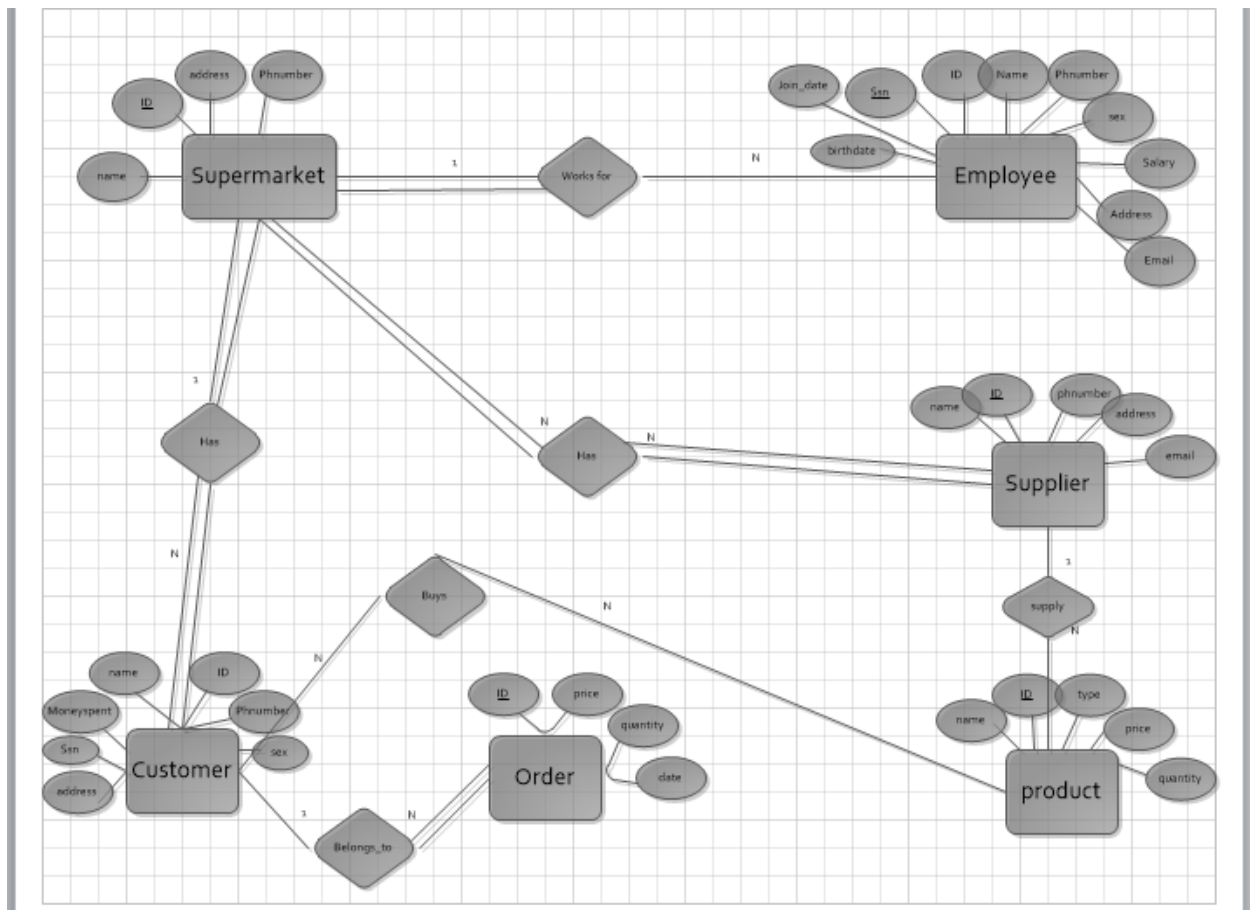
- Each Supermarket has at most one Manager.
- Each Supermarket has at least one Supplier.
- Each Employee in a Supermarket has a Manager.

- Each Supermarket must have Products.
- Each Product has a Supplier, and the Supplier should have Products to supply the Supermarket.

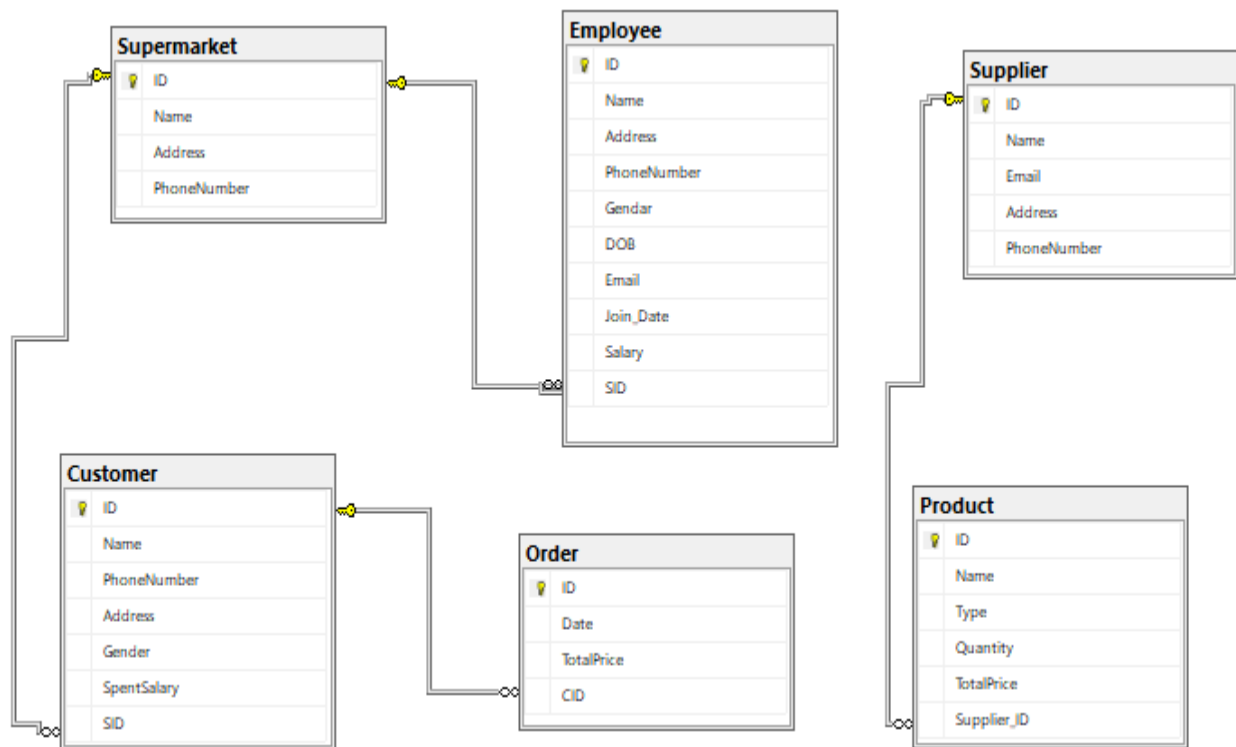
### Relational diagram:



### ERD Diagram:



**Database Diagram:**



## SUPERMARKET

	ID	Name	Address	PhoneNumber
	110	Bsat	Aabra	7171171
	120	Spinneys	Saida	7754880
	130	Bikai	Majdelioun	7697680
	140	aamliye	Ghazieh	70430351
	150	Ghadir	Ghazieh	70761806
▶▶	NULL	NULL	NULL	NULL

**SUPPLIER**

	ID	Name	Email	Address	PhoneNumber
	1341	Ahmad	Ahmad@hotmail...	tripoli	76193817
	1524	Asma	Asma@gmail.c...	Jounieh	70141516
	1167	George	George@outlo...	saida	71727374
	1925	Jayne	Jayne@gmail.c...	majdelioun	71007247
✎	8574	Mohamad	Mohamad@ho...	Ghazieh	71642062
✱	NULL	NULL	NULL	NULL	NULL

**CUSTOMER**

	ID	Name	PhoneNumber	Address	Gender	SpentSalary	SID
	543	Ali	70955124	Ghazieh	M	10000	140
	614	Jocelyne	71837532	Majdelioun	F	17000	130
	834	Ahmad	76136956	bramieh	M	43000	110
	548	Leen	81483164	Saida	F	53000	120
	579	Karl	76351993	Aabra	M	14000	110
	726	Maya	71386447	Ghazieh	F	23000	140
	941	Layal	81354937	Salhie	F	72000	130

**PRODUCT**

	ID	Name	Type	Quantity	TotalPrice	Supplier_ID
	56	Doritos	chips	120	230000.00	1341
	65	nutella	chocolate	20	500000.00	1341
	43	galaxy	chocolate	70	330000.00	1925
	78	uno	juice	130	430000.00	1167
	23	smedes	cheese	43	780000.00	8574
	15	digestive	biscuit	60	610000.00	1524

#### ORDER

	ID	Date	TotalPrice	CID
	1	2021-12-01	80000.00	548
	2	2021-03-04	75000.00	548
	3	2021-02-19	10000.00	834
	4	2020-12-30	150000.00	543
	5	2021-07-01	220000.00	614
	6	2021-04-03	125000.00	579
	7	2021-06-15	75000.00	726
	8	2021-11-07	23000.00	941

#### EMPLOYEE

	ID	Name	Address	PhoneNumber	Gendar	DOB	Email	Join_Date	Salary	SID
	10100	Ali	Ghazieh	71842852	M	1999-01-24	ali@gmail.com	2015-03-02	3000.00	110
	10112	omar	Saida	81732792	M	1995-03-03	omar@hotmail...	2017-01-07	4500.00	120
	10233	hosam	Ghazieh	70761806	M	2001-01-09	hosam@outloo...	2020-11-24	2500.00	140
	10442	Jessica	Salhie	76430076	F	2000-02-28	Jessica@outloo...	2019-01-17	4000.00	130
	10342	natasha	Aabra	81246632	F	2001-01-24	natasha@gmail...	2020-10-23	5000.00	110
	10234	fatmeh	Ghazieh	70124124	F	1997-11-01	fatmeh@hotmail...	2016-06-13	3200.00	150

### **SQL Queries:**

select \* from Employee

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select \* from Employee where Address = 'Saida'

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select \* from Customer where SpentSalary >43000

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select \* from SuperMarket where id= 150

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select \* from Employee where JoinDate like '2015%'

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select\* from Supplier where PhoneNumber = 71007247

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select \* from Supplier where Email = 'mohamad@hotmail.com'

-----

select TotalPrice from Product

-----

select AVG(totalprice) from Product

-----

select \* from Employee where DOB like '1999%' and Gender = 'M'

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update Employee set Salary=3000 where Name= 'Hosam'

-----

select name,gender from Employee where Name='omar' and Gender = 'M'

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Select distinct salary

From employee

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Select ID,name,address

From employee

Where SID in(select ID

From supermarket

Where name='Bsat')

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Delete from employee

Where name='jessica'

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select name, type,totalprice from Product

order by Type