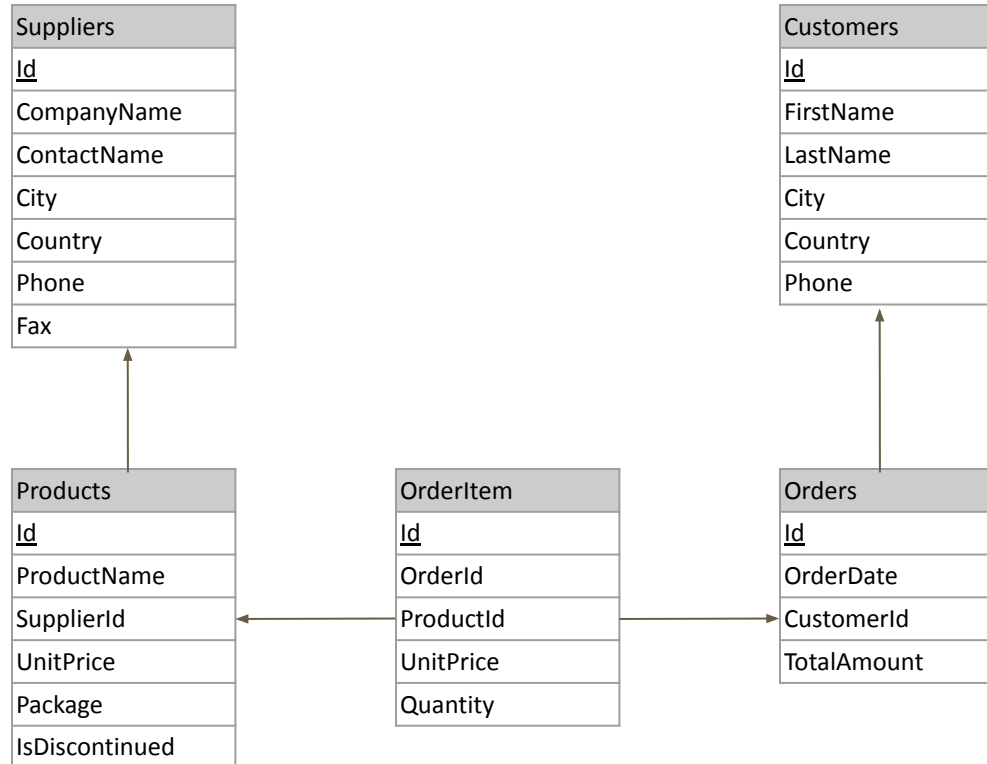

SQL

Design Lab

Database

Sales



Suppliers

- Stores supplier informations.
- Columns:
 - Id (Primary Key): Unique identifier for each supplier.
 - CompanyName: Name of the supplier company.
 - ContactName: Name of the contact person at the supplier.
 - City: City where the supplier is located.
 - Country: Country where the supplier is located.
 - Phone: Supplier's phone number.
 - Fax: Supplier's fax number (if applicable).

Suppliers

```
mysql> describe Suppliers;
```

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	
CompanyName	varchar(40)	NO		NULL	
ContactName	varchar(50)	YES		NULL	
ContactTitle	varchar(40)	YES		NULL	
City	varchar(40)	YES		NULL	
Country	varchar(40)	YES		NULL	
Phone	varchar(30)	YES		NULL	
Fax	varchar(30)	YES		NULL	

```
8 rows in set (0.00 sec)
```

Products

- Stores product information.
- Columns:
 - Id (Primary Key): Unique identifier for each product.
 - ProductName: Name of the product.
 - SupplierId (Foreign Key): References the supplier who provides the product.
 - UnitPrice: Price per unit of the product.
 - Package: Packaging type for the product (e.g., box, bottle).
 - IsDiscontinued: Indicates whether the product is discontinued (yes/no).

Products

```
mysql> describe Products;
```

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	
ProductName	varchar(50)	NO		NULL	
SupplierId	int	NO	MUL	NULL	
UnitPrice	decimal(12,2)	YES		0.00	
Package	varchar(30)	YES		NULL	
IsDiscontinued	bit(1)	NO		b'0'	

```
6 rows in set (0.02 sec)
```

OrderItem

- Stores details about items within an order.
- Columns:
 - Id (Primary Key): Unique identifier for each order item.
 - OrderId (Foreign Key): References the order to which the item belongs.
 - ProductId (Foreign Key): References the product included in the order item.
 - Quantity: Quantity of the product ordered.
 - UnitPrice: Price per unit of the product at the time of the order.

OrderItem

```
mysql> describe OrderItem;
```

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	
OrderId	int	NO	MUL	NULL	
ProductId	int	NO	MUL	NULL	
UnitPrice	decimal(12,2)	NO		0.00	
Quantity	int	NO		1	

```
5 rows in set (0.02 sec)
```


Orders

- Stores order information.
- Columns:
 - Id (Primary Key): Unique identifier for each order.
 - OrderDate: Date the order was placed.
 - CustomerId (Foreign Key): References the customer who placed the order.
 - TotalAmount: Total cost of the order.

Orders

```
mysql> describe Orders;
```

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	DEFAULT_GENERATED
OrderDate	datetime	NO		curdate()	
OrderNumber	varchar(10)	YES		NULL	
CustomerId	int	NO	MUL	NULL	
TotalAmount	decimal(12,2)	YES		0.00	

```
5 rows in set (0.01 sec)
```

Customers

- Stores customer information.
- Columns:
 - Id (Primary Key): Unique identifier for each customer.
 - FirstName: Customer's first name.
 - LastName: Customer's last name.
 - City: City where the customer is located.
 - Country: Country where the customer is located.
 - Phone: Customer's phone number.

Customers

```
mysql> describe Customers;
```

Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI	NULL	
FirstName	varchar(40)	NO		NULL	
LastName	varchar(40)	NO		NULL	
City	varchar(40)	YES		NULL	
Country	varchar(40)	YES		NULL	
Phone	varchar(20)	YES		NULL	

```
6 rows in set (0.01 sec)
```

Task

- Create Database with all the constraints and insert given data into tables.

Submission Format

1. Make a doc file (Google Docs/any other) and paste your DDL command for each table creation.
2. Attach the screenshot of the terminal after running the command '**describe <table_name>**' for each table.
3. **Rename your file as '<roll no>_SALES_DDL'** for example if your Roll number is 22CS60R01 then filename should be '22CS60R01_SALES_DDL'
4. Convert the doc file into **PDF** and submit it in Moodle.

END