

EXP-2

* Create the database Organisation

➤ CREATE DATABASE Organisation;

* Select the current database

➤ USE Organisation;

➤ SHOW TABLES;

* ~~CREATE~~ the following tables:-

➤ CREATE TABLE suppliers ('supplierid int primary key not null, name varchar (25) not null, phone_number int (10) not null);

➤ CREATE TABLE products ('productid int primary key not null, (productcode, varchar(3) not null, name varchar (25) not null, quantity int not null, price float not null, supplierid int not null);

➤ CREATE TABLE products_suppliers (productid int not null, supplierid int not null);

* Set productid and supplierid as foreign key for the table products_suppliers.

➤ ALTER TABLE products_suppliers add foreign key (productid) references products (productid), add

foreign key (supplierID) references supplier (supplierID);

* insert values in the supplier table,

> INSERT INTO suppliers (supplierID, name, phone number) values (501, 'ABC Traders', '88881111');

> INSERT INTO suppliers (supplierID, name, phone number) values (502, 'XYZ company', '88882222');

> INSERT INTO suppliers (supplierID, name, phone number) values (503, 'ABC Corp', '88883333');

* insert values in the products table.

> INSERT INTO products (productID, product code, name, quantity, price, supplierID) values (2001, 'Pec', 'Pencil 30', 500, 0.52, 501);

> INSERT INTO products (productID, product code, name, quantity, price, supplierID) values (2002, 'Pec', 'Pencil 40', 600, 0.53, 501);

> INSERT INTO products (productID, product code, name, quantity, price, supplierID) values (2003, 'Pec', 'Pencil 50', 600, 0.54, 502);

> INSERT INTO products (product ID, product code, name, quantity price, supplier ID) values (2004, 'Pai', 'Pamul BB', 500, 0.65, 503);

* Insert the product ID & supplier ID into products-supplier table

> INSERT INTO products-supplier (product ID, supplier ID) values (2001, 501);

> INSERT INTO product-supplier (product ID, supplier ID) values (2002, 501);

> INSERT INTO product-supplier (product ID, supplier ID) values (2003, 502);

> insert into products-supplier (product ID, supplier ID) values (2004, 503);

* List all the tables in the current database

> select * from suppliers;

> select * from products;

> select * from products-supplier;

* Display the structure of the supplier, product-supplier, and products tables

> desc suppliers;

> desc products-supplier;

> desc products;

* Display all details of products with id 2002.

> select * from product where product id=2002;

* Drop the tables

> drop table product-supplier;

> drop table product;

> drop table supplier;

* Delete the database

> drop database Organisation;

Enter password: *****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 13

Server version: 8.0.20 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE organisation;

Query OK, 1 row affected (0.01 sec)

mysql> use organisation;

Database changed

mysql> show tables;

Empty set (0.01 sec)

mysql> CREATE TABLE suppliers(supplierID int primary key not null,name varchar(25) not null, phone_number int(10) not null);

Query OK, 0 rows affected, 1 warning (0.07 sec)

mysql> CREATE TABLE products (productID int primary key not null, productCode varchar(3) not null, name varchar(25) not null, quantity int not null , price float not null, supplierID int not null);

Query OK, 0 rows affected (0.04 sec)

mysql> create table products_suppliers (productID int not null, supplierID int not null);

Query OK, 0 rows affected (0.04 sec)

mysql> alter table products_suppliers add foreign key(productID) references products(productID),add foreign key(supplierID) references suppliers(supplierID);

Query OK, 0 rows affected (0.44 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into suppliers(supplierID, name, phone_number) values (501, 'ABC Traders', '88881111') ;

Query OK, 1 row affected (0.01 sec)

mysql> insert into suppliers(supplierID, name, phone_number) values (502, 'XYZ Company', '88882222') ;

Query OK, 1 row affected (0.01 sec)

mysql> insert into suppliers(supplierID, name, phone_number) values (503, 'QQ Corp', '88883333');

Query OK, 1 row affected (0.01 sec)

mysql> insert into products (productID, productCode, name, quantity, price, supplierID) values (2001, 'PEC','Pencil 3B',500, 0.52, 501) ;

Query OK, 1 row affected (0.01 sec)

mysql> insert into products (productID, productCode, name, quantity, price, supplierID) values (2002, 'PEC','Pencil 4B',600, 0.53, 501);

Query OK, 1 row affected (0.01 sec)



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```
mysql> insert into products ( productID, productCode, name, quantity, price, supplierID) values (2003, 'PEC','Pencil 5B',600, 0.54, 502);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into products ( productID, productCode, name, quantity, price, supplierID) values (2004, 'PEC','Pencil 6B',500, 0.55, 503);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into products_suppliers (productID, supplierID) values (2001,501);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into products_suppliers (productID, supplierID) values (2001,501);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into products_suppliers (productID, supplierID) values (2002,501);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into products_suppliers (productID, supplierID) values (2003,502);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> ^C
mysql> insert into products_suppliers (productID, supplierID) values (2004,503);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from suppliers;
```

supplierID	name	phone_number
501	ABC Traders	88881111
502	XYZ Company	88882222
503	QQ Corp	88883333

3 rows in set (0.00 sec)

```
mysql> select * from products;
```

productID	productCode	name	quantity	price	supplierID
2001	PEC	Pencil 3B	500	0.52	501
2002	PEC	Pencil 4B	600	0.53	501
2003	PEC	Pencil 5B	600	0.54	502
2004	PEC	Pencil 6B	500	0.55	503

4 rows in set (0.00 sec)

```
mysql> select * from products_suppliers;
```

productID	supplierID
2001	501
2001	501



productID	supplierID
2001	501
2001	501
2002	501
2003	502
2004	503

5 rows in set (0.00 sec)

mysql> desc suppliers;

Field	Type	Null	Key	Default	Extra
supplierID	int	NO	PRI	NULL	
name	varchar(25)	NO		NULL	
phone_number	int	NO		NULL	

3 rows in set (0.01 sec)

mysql> desc products;

Field	Type	Null	Key	Default	Extra
productID	int	NO	PRI	NULL	
productCode	varchar(3)	NO		NULL	
name	varchar(25)	NO		NULL	
quantity	int	NO		NULL	
price	float	NO		NULL	
supplierID	int	NO		NULL	

6 rows in set (0.00 sec)

mysql> describe products_suppliers;

Field	Type	Null	Key	Default	Extra
productID	int	NO	MUL	NULL	
supplierID	int	NO	MUL	NULL	

2 rows in set (0.00 sec)

mysql> select * from products where productid=2002;

productID	productCode	name	quantity	price	supplierID
2002	PEC	Pencil 4B	600	0.53	501

1 row in set (0.00 sec)




```
mysql> select * from products where productid=2002;
```

productID	productCode	name	quantity	price	supplierID
2002	PEC	Pencil 4B	600	0.53	501

```
1 row in set (0.00 sec)
```

```
mysql> drop table products_suppliers;
```

```
Query OK, 0 rows affected (0.39 sec)
```

```
mysql> drop table products;
```

```
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> drop table suppliers;
```

```
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> drop database organisation;
```

```
Query OK, 0 rows affected (0.01 sec)
```

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mysql> _
```

