

ASSIGNMENT - SCHEMA

create table Cities(city varchar(10), state varchar(20), primary key(city));

insert into Cities(city,state) values ('Mumbai','Maharashtra');

insert into Cities(city,state) values ('Nagpur','Maharashtra');

insert into Cities(city,state) values ('NCR','Delhi');

insert into Cities(city,state) values ('Pune','Maharashtra');

```
mysql> describe cities;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| city  | varchar(10)   | NO   | PRI | NULL    |       |
| state | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from cities;
+-----+-----+
| city  | state          |
+-----+-----+
| Mumbai | Maharashtra    |
| Nagpur | Maharashtra    |
| NCR    | Delhi          |
| Pune   | Maharashtra    |
+-----+-----+
4 rows in set (0.00 sec)
```

create table Warehouse(WID int(10), WName varchar(20), Location varchar(50), foreign key(Location) references Cities(city));

insert into Warehouse(WID,WName,Location) values(1,'puneStore','Pune');

insert into Warehouse(WID,WName,Location) values(2,'penStore','Mumbai');

insert into Warehouse(WID,WName,Location) values(3,'stationaryStore','Pune');

```
mysql> describe warehouse;
```

Field	Type	Null	Key	Default	Extra
wid	int	NO	PRI	NULL	
wname	varchar(20)	YES		NULL	
location	varchar(20)	YES	MUL	NULL	

```
3 rows in set (0.00 sec)

mysql> select * from warehouse;
```

wid	wname	location
1	puneStore	Pune
2	penStore	Mumbai
3	stationaryStore	Pune

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

create table store(sid int(100),store_name varchar(50),location_city varchar(20),wid int(100),foreign key(wid) references warehouse(wid),primary key(sid));

insert into store values(1,'sanjeevan','Pune',1);

insert into store values(2,'sangitam','Pune',1);

insert into store values(3,'mangla','Mumbai',2);

```
mysql> describe store;
```

Field	Type	Null	Key	Default	Extra
sid	int	NO	PRI	NULL	
store_name	varchar(50)	YES		NULL	
location_city	varchar(20)	YES		NULL	
wid	int	YES	MUL	NULL	

```
4 rows in set (0.00 sec)

mysql> select * from store;
```

sid	store_name	location_city	wid
1	sanjeevan	Pune	1
2	sangitam	Pune	1
3	mangla	Mumbai	2

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

```
create table customer(cno int,cname varchar(20),addr varchar(50),cu_city varchar(10),primary key(cno));
```

```
insert into customer values(21,'Mr.Patil','panvel','Mumbai');
```

```
insert into customer values(22,'aditya','pune wada','Pune');
```

```
insert into customer values(25,'Chaudhari','Ghatkopar','Mumbai');
```

```
insert into customer values(34,'Animal','akurdi','Pune');
```

```
mysql> describe customer;
+-----+-----+-----+-----+-----+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cno   | int           | NO   | PRI | NULL    |       |
| cname | varchar(20)   | YES  |     | NULL    |       |
| addr  | varchar(50)   | YES  |     | NULL    |       |
| cu_city | varchar(10)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> select * from customer;
+-----+-----+-----+-----+
| cno | cname   | addr      | cu_city |
+-----+-----+-----+-----+
| 21  | Mr.Patil | panvel    | Mumbai  |
| 22  | aditya   | pune wada | Pune    |
| 25  | Chaudhari | Ghatkopar | Mumbai  |
| 34  | Animal   | akurdi    | Pune    |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

```
create table orders(ono int,odate date,primary key(ono));
```

```
insert into orders values('1','2022-03-04');
```

```
insert into orders values('234','2022-05-10');
```

```
insert into orders values('435','2022-05-10');
```

```
insert into orders values('965','2022-06-11');
```

```
mysql> describe orders;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ono   | int  | NO   | PRI | NULL    |       |
| odate | date | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from orders;
+-----+-----+
| ono | odate |
+-----+-----+
| 1   | 2022-03-04 |
| 234 | 2022-05-10 |
| 435 | 2022-05-10 |
| 965 | 2022-06-11 |
+-----+-----+
4 rows in set (0.00 sec)
```

create table items(itemno int,description varchar(100),weight int,cost int,primary key(itemno));

insert into items values(232,'laptop',2,30000);

insert into items values(256,'refrigerator',50,20000);

insert into items values(345,'gas stove',5,10000);

```
mysql> describe items;
+-----+-----+-----+-----+-----+-----+
| Field      | Type           | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| itemno     | int            | NO   | PRI | NULL    |       |
| description | varchar(100)   | YES  |     | NULL    |       |
| weight     | int            | YES  |     | NULL    |       |
| cost       | int            | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from items;
+-----+-----+-----+-----+
| itemno | description | weight | cost |
+-----+-----+-----+-----+
| 232    | laptop      | 2      | 30000 |
| 256    | refrigerator | 50     | 20000 |
| 345    | gas stove   | 5      | 10000 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

create table jordersitems(ono int,itemno int,cno int,ordered_quantity int,foreign key(ono) references orders(ono),foreign key(itemno) references items(itemno),foreign key(cno) references customer(cno));

insert into jordersitems values(1,232,22,1);

insert into jordersitems values(1,345,22,2);

insert into jordersitems values(234,345,25,1);

insert into jordersitems values(435,345,25,1);

insert into jordersitems values(965,345,25,1);

insert into jordersitems values(234,345,21,1);

insert into jordersitems values(435,232,21,1);

```
mysql> describe jordersitems;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| ono   | int  | YES  | MUL | NULL    |       |
| itemno | int  | YES  | MUL | NULL    |       |
| cno   | int  | YES  | MUL | NULL    |       |
| ordered_quantity | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> select * from jordersitems;
+-----+-----+-----+-----+
| ono | itemno | cno | ordered_quantity |
+-----+-----+-----+-----+
| 1   | 232   | 22  | 1               |
| 1   | 345   | 22  | 2               |
| 234 | 345   | 25  | 1               |
| 435 | 345   | 25  | 1               |
| 965 | 345   | 25  | 1               |
| 234 | 345   | 21  | 1               |
| 435 | 232   | 21  | 1               |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
create table jstoreitems(sid int,itemno int,quantity int,foreign key(sid) references store(sid),foreign  
key(itemno) references items(itemno));
```

```
insert into jstoreitems values(1,232,10);
```

```
insert into jstoreitems values(2,232,10);
```

```
insert into jstoreitems values(1,256,5);
```

```
insert into jstoreitems values(3,345,20);
```

```
mysql> describe jstoreitems;
```

Field	Type	Null	Key	Default	Extra
sid	int	YES	MUL	NULL	
itemno	int	YES	MUL	NULL	
quantity	int	YES		NULL	

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

```
mysql> select * from jstoreitems;
```

sid	itemno	quantity
1	232	10
2	232	10
1	256	5
3	345	20

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