



Review the SQL Script to be Applied on the Database

Online DDL

Algorithm: Lock Type:

```
1 CREATE TABLE 'lab6'..'customer' (  
2   'NAME' INT NOT NULL,  
3   'ADDRESS' VARCHAR(45) NULL,  
4   'STATE' VARCHAR(45) NULL,  
5   'ZIP' INT NULL,  
6   'PHONE' VARCHAR(45) NULL,  
7   'REMARKS' VARCHAR(45) NULL,  
8   PRIMARY KEY ('NAME'));  
9
```

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Algorithm: Lock Type:

```
1 CREATE TABLE 'lab6'..'part' (  
2   'PARTNUM' INT NOT NULL,  
3   'DESCRIPTION' VARCHAR(45) NULL,  
4   'PRICE' DOUBLE NULL,  
5   PRIMARY KEY ('PARTNUM'));  
6
```

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Review the SQL Script to be Applied on the Database

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Algorithm: Lock Type:

```
1 CREATE TABLE 'lab6'..'orders' (  
2   'ORDEREDON' VARCHAR(45) NOT NULL,  
3   'NAME' VARCHAR(45) NOT NULL,  
4   'PARTNUM' INT NOT NULL,  
5   'QUANTITY' INT NULL,  
6   'REMARKS' VARCHAR(45) NULL,  
7   PRIMARY KEY ('ORDEREDON', 'NAME', 'PARTNUM'));  
8
```

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1. (15) Toplam kazanılan para miktarını bulan sorguyu yazınız.

```
mysql> select sum(quantity*price) from orders,part where orders.partnum=part.partnum;
+-----+
| sum(quantity*price) |
+-----+
|          33868.3 |
+-----+
1 row in set (0.00 sec)
```

2. (15) Her bir customer a yapılan satış miktarını (parasal değeri) bulan sorguyu yazınız.

```
mysql> select NAME,sum(QUANTITY*PRICE) from part,orders where orders.PARTNUM = part.PARTNUM group by name;
+-----+-----+
| NAME          | sum(QUANTITY*PRICE) |
+-----+-----+
| AAA BIKE      |          3533.5 |
| LE SHOPPE     |          6250 |
| JACKS BIKE    |          7420 |
| TRUE WHEEL    |          5088.7 |
| BIKE SPEC     |         11576.1 |
+-----+-----+
5 rows in set (0.00 sec)
```

3. (20) Her bir part dan kaç adet satıldığını bulan sorguyu yazınız.

```
mysql> select DESCRIPTION,sum(QUANTITY) from part,orders where part.PARTNUM = orders.PARTNUM group by part.PARTNUM;
+-----+-----+
| DESCRIPTION    | sum(QUANTITY) |
+-----+-----+
| TIRES          |          14 |
| ROAD BIKE      |          37 |
| TANDEM         |           7 |
| MOUNTAIN BIKE  |          14 |
| PEDALS         |          10 |
| SEATS          |           8 |
+-----+-----+
6 rows in set (0.00 sec)
```

4. (15) Mountain Bike satışlarından kazanılan toplam para miktarını bulan sorguyu yazınız.

```
mysql> select sum(QUANTITY*PRICE) from part,orders where part.PARTNUM = 23 and part.PARTNUM = orders.PARTNUM;
+-----+
| sum(QUANTITY*PRICE) |
+-----+
| 4906.299999999999 |
+-----+
1 row in set (0.00 sec)
```

5. (20) Aşağıdaki çıktıyı veren sorguyu yazınız.

```
mysql> select orders.NAME,ADDRESS,QUANTITY*PRICE as TOTAL,DESCRIPTION from customer,part,orders where customer.NAME = orders.NAME and part.PARTNUM = orders.PARTNUM order by NAME,TOTAL;
```

NAME	ADDRESS	TOTAL	DESCRIPTION
AAA BIKE	10 OLDTOWN	213.5	TIRES
AAA BIKE	10 OLDTOWN	1200	TANDEM
AAA BIKE	10 OLDTOWN	2120	ROAD BIKE
BIKE SPEC	CPT SHRIVE	542.5	PEDALS
BIKE SPEC	CPT SHRIVE	2400	TANDEM
BIKE SPEC	CPT SHRIVE	2803.6	MOUNTAIN BIKE
BIKE SPEC	CPT SHRIVE	5830	ROAD BIKE
JACKS BIKE	24 EGLIN	7420	ROAD BIKE
LE SHOPPE	HOMETOWN	2650	ROAD BIKE
LE SHOPPE	HOMETOWN	3600	TANDEM
TRUE WHEEL	550 HUSKER	196	SEATS
TRUE WHEEL	550 HUSKER	1200	TANDEM
TRUE WHEEL	550 HUSKER	1590	ROAD BIKE
TRUE WHEEL	550 HUSKER	2102.7	MOUNTAIN BIKE

14 rows in set (0.00 sec)

6. (15) Aşağıdaki çıktıyı veren sorguyu yazınız.

```
mysql> select ORDEREDON,NAME,PARTNUM,QUANTITY from orders where ORDEREDON = "2-SEP-1996";
```

ORDEREDON	NAME	PARTNUM	QUANTITY
2-SEP-1996	TRUE WHEEL	10	1

1 row in set (0.00 sec)