# **Table and Data**

## CITIES TABLE



### WAREHOUSES TABLE

wid     wname     location     city       ▶     1     WEST WAREHOUSE     Highway     Pune       2     Amazon warehouse     Cross road     Vadodar	
2 Amazon warehouse Cross road Vadodar	
	a
3 Flipkart warehouse City center Pune	
NULL NULL NULL NULL	

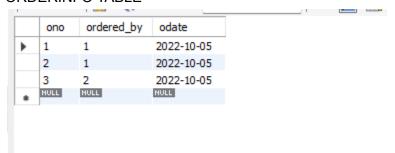
### STORES TABLE

	sid	storename	location	warehouse
•	1	D-Mart	Pune	1
	2	Jio-Mart	Vadodara	2
	3	D-Mart	Vadodara	1
	NULL	NULL	NULL	NULL

### **CUSTOMER TABLE**

1 Patil Opp City Hospital, India Pune 2 Patel Near Railway Station, India Vadodara 3 Shrivastav Twin towers, India Pune	2 Patel Near Railway Station, India Vadodara 3 Shrivastav Twin towers, India Pune	2 Patel Near Railway Station, India Vadodara
3 Shrivastav Twin towers, India Pune	3 Shrivastav Twin towers, India Pune	
		3 Shrivastav Twin towers, India Pune
NULL NULL NULL NULL	* NOTE NOTE NOTE NOTE	
		NULL NULL NULL NULL

# ORDERINFO TABLE



### **ITEMS TABLE**

itemno   itemName   weight   price    ►   1   KEYBOARD   250.00   500.00
▶ 1 KEYBOARD 250.00 500.00
2 MOUSE 100.00 300.00
NOTE NOTE NOTE NOTE

# ITEMS\_ORDERED TABLE

	itemno	itemname	orderno	quantity
•	1	KEYBOARD	1	5
	1	KEYBOARD	2	10
	2	MOUSE	1	5
	2	MOUSE	3	15
	NULL	NULL	NULL	NULL

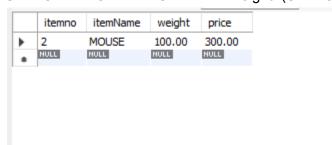
# STORE\_ITEMS Table

	store	item	quantity
•	1	1	50
	2	1	100
	1	2	125

# **Queries**

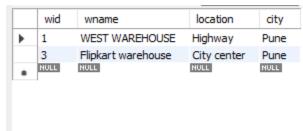
# Find the item that has minimum weight

SELECT \* FROM ITEMS WHERE weight=(SELECT min(weight) from ITEMS);



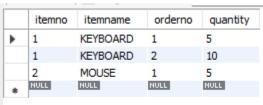
#### Find the different warehouses in "Pune".

SELECT \* FROM WAREHOUSES WHERE city="Pune";



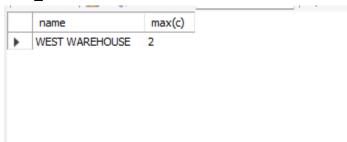
## Find the details of items ordered by a customer "Mr. Patil".

SELECT \* FROM ITEMS\_ORDERED having orderno IN (SELECT one from ORDERINFO where ordered\_by IN (SELECT cno FROM CUSTOMER WHERE cname = 'Patil'));



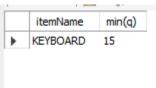
#### Find a Warehouse which has maximum stores.

SELECT name, max(c) from (SELECT WAREHOUSES.wname as name, count(STORES.warehouse) as c from STORES LEFT JOIN WAREHOUSES ON STORES.warehouse = WAREHOUSES.wid group by STORES.warehouse having count(\*)) as store\_count;



### Find an item which is ordered for a minimum number of times.

SELECT itemName, min(q) from (SELECT itemname, SUM(quantity) as q from ITEMS\_ORDERED GROUP BY itemno) as derived\_table;



### Find the detailed orders given by each customer.

SELECT \* FROM ITEMS\_ORDERED INNER JOIN ORDERINFO ON ITEMS\_ORDERED.orderno = ORDERINFO.ono INNER JOIN CUSTOMER on ORDERINFO.ordered\_by = CUSTOMER.cno;

