/\*distinct cities and orders\*/

SELECT DISTINCT C2.CITY, S.STATE

FROM Customer C1

JOIN CITY C2

ON C1.CITY\_ID = C2.CITY\_ID

join STATE S

ON S.STATE\_ID = C2.STATE\_ID

/\*distinct customer who ordered \*/

SELECT distinct first\_name, last\_name

FROM Customer C1

where customer\_id in (select customer\_id from orders)

/\*distinct customer who have not ordered \*/

SELECT distinct first\_name, last\_name

FROM Customer C1

where customer\_id not in (select customer\_id from orders)

/\*distinct Restaurant from where users have ordered\*/

select \* from Restaurant

where Restaurant\_id in (select Restaurant\_id from orders)

/\*distinct Restaurant with no orders\*/

select \* from Restaurant

where Restaurant\_id not in (select Restaurant\_id from orders)

/\*revenue and total tip amount\*/

select sum(total\_amount), sum(tip\_amount) from invoice

/\*revenue from city\*/

select c.city, sum(total\_amount) from invoice i

join orders o on i.customer\_id = o.customer\_id

join customer c on c.customer\_id = i.customer\_id

join city s on c.city\_id = s.city\_id

group by c.city

/\*revenue for restarant\*/

select r.Name, sum(total\_amount) from invoice i

join orders o on i.customer\_id = o.customer\_id

join Restaurant r on c.Restaurant\_id = i.Restaurant\_Id