|  |
| --- |
|  |
|  |  |
|  | Use cofee store;  select products.name,orders.order\_time from orders |
|  | inner join products on products.id=orders.product\_id |
|  | where products.name='Filter' |
|  | and orders.order\_time between '2017-01-14' and '2017-01-31' |
|  | order by orders.order\_time; |
|  |  |
|  |  |
|  | select p.name,p.price,o.order\_time from orders o |
|  | join products p on p.id=o.product\_id |
|  | order by o.order\_time asc; |
|  |  |
|  | select p.name,p.price,o.order\_time from orders o |
|  | join products p on p.id=o.product\_id |
|  | where p.id=5 |
|  | order by order\_time asc; |
|  |  |
|  | select \* from customers; |
|  |  |
|  | update orders |
|  | set customer\_id=null |
|  | where id=1; |
|  | -- left join |
|  | -- Orders LEFT JOIN ON customers |
|  | select o.id,c.last\_name,c.phone\_number,o.order\_time from orders o |
|  | left join customers c on o.customer\_id=c.id |
|  | order by o.order\_time |
|  | limit 10; |
|  |  |
|  | -- by inter changining the table-1 and table-2 positions |
|  | select o.id,c.last\_name,c.phone\_number,o.order\_time from customers c |
|  | left join orders o on c.id=o.customer\_id |
|  | order by o.order\_time |
|  | limit 10; |
|  |  |
|  | -- RIGHT JOIN |
|  | -- Customers RIGHT JOIN on Orders |
|  | select o.id,c.last\_name,c.phone\_number,o.order\_time from customers c |
|  | right join orders o on c.id=o.customer\_id |
|  | order by o.order\_time |
|  | limit 10; |
|  |  |
|  | select o.id,c.last\_name,c.phone\_number,o.order\_time from orders o |
|  | right join customers c on o.customer\_id=c.id |
|  | order by o.order\_time |
|  | limit 10; |
|  |  |
|  | update orders |
|  | set customer\_id=1 |
|  | where id=1; |
|  |  |
|  | -- all the tables join |
|  | select \* from orders; |
|  | select \* from customers; |
|  | select \* from orders; |
|  |  |
|  |  |
|  | select p.name,p.price,c.first\_name,c.last\_name,o.order\_time from products p |
|  | join orders o on p.id=o.product\_id |
|  | join customers c on o.customer\_id=c.id; |
|  |  |
|  | select p.name,p.price,c.first\_name,c.last\_name,o.order\_time from products p |
|  | join orders o on p.id=o.product\_id |
|  | join customers c on o.customer\_id=c.id |
|  | where c.last\_name='Martin' |
|  | order by o.order\_time; |
|  | -- ------------------------------------------------------------------------------------------ |
|  | -- Exercise-1 |
|  | -- 1) select order id and customers phone number for all orders of product id 4. |
|  |  |
|  | select o.id,c.phone\_number from orders o |
|  | join customers c on o.customer\_id=c.id |
|  | join products p on o.product\_id=p.id |
|  | where p.id=4; |
|  |  |
|  | -- 2)select product name and order time for filter coffees sold between january 15th 2017 and february 14th 2017. |
|  |  |
|  | select p.name,o.order\_time from products p |
|  | join orders o on p.id=o.product\_id |
|  | where o.order\_time between '2017-01-15' and '2017-02-14' |
|  | and p.name='Filter'; |
|  |  |
|  |  |
|  | -- 3)select the product name and the price and order time for all the orders from femails in january 2017. |
|  |  |
|  | select p.name,p.price,o.order\_time from orders o |
|  | join products p on p.id=o.product\_id |
|  | join customers c on c.id=o.customer\_id |
|  | where c.gender='F' |
|  | and order\_time between '20170101' and '20170131'; |
|  | -- -------------------------------------------------------------------------------------------------------- |
|  | /\*INNER JOIN: Returns records that have matching values in both tables |
|  | LEFT JOIN: Returns all records from the left table, and the matched records from the right table |
|  | RIGHT JOIN: Returns all records from the right table, and the matched records from the left table\*/ |