

### Worksheet 3 SQL answers

1. Create table Customers;
2. Create table Orders;
3. Select \* from Orders;
4. Select \*from Products;
5. Select o.orderDate, sum(od.quantityOrdered)  
from Orders o  
join OrderDetails od  
on o.orderNumber = od.orderNumber  
group by o.orderDate;
6. Select employeeNumber, firstName, lastName  
From Employees;
7. Select o.orderNumber, c.customerName  
from Customers c  
join Orders o  
on c.customerNumber = o.customerNumber;
8. Select c.customerName, concat(e.firstName, ' ', e.lastName)  
from Customers c  
join Employees e  
on e.employeeNumber = c.salesRepEmployeeNumber;
9. Select paymentDate, sum(amount)  
from Payments  
group by paymentDate;
10. Select productName, MSRP, productDescription  
from Products;
11. Select productName, productDescription  
from Products  
where productCode = (select p.productCode from Products p join OrderDetails od on  
p.productCode = od.productCode group by od.productCode order by  
count(od.productCode) DESC limit 1);
12. Select o.city  
from Offices o  
join Employees e  
on o.officeCode = e.officeCode

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join Customers c
on e.employeeNumber = c.salesRepEmployeeNumber
join Orders od
on c.customerNumber = od.customerNumber
group by o.city
order by count(orderNumber) DESC
limit 1;
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13. Select o.state  
from Offices o  
join Employees e  
on o.officeCode = e.officeCode  
join Customers c  
on e.employeeNumber = c.salesRepEmployeeNumber  
group by o.state  
order by count(customerNumber) DESC  
limit 1;

14. Select employeeNumber, concat(firstName, ' ', lastName)  
from Employees;

15. Select o.orderNumber, c.customerName, (od.quantityOrdered \* od.priceEach) as  
Total\_Amount\_Paid  
from Customers c  
join Orders o  
on c.customerNumber = o.customerNumber  
join OrderDetails od  
on o.orderNumber = od.orderNumber;