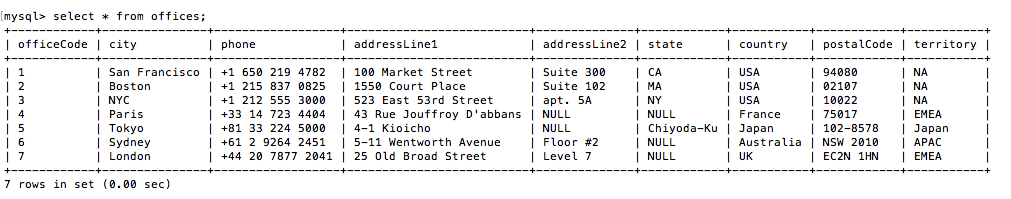
James Gallmeister

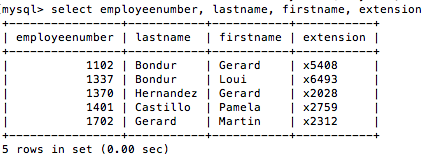
Database and Information Systems

Project 1 Answers

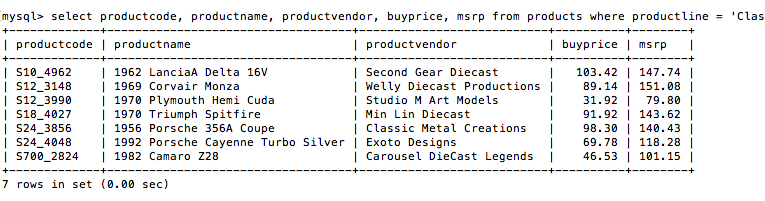
1. select \* from offices;



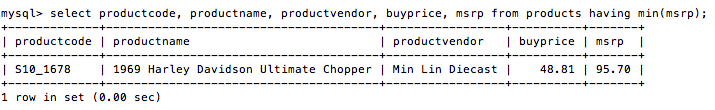
1. select employeenumber, lastname, firstname, extension from employees e, offices o where o.officecode = e.officecode and o.city = ‘Paris’;



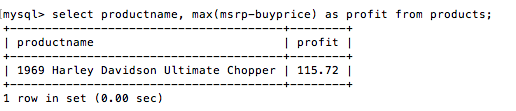
1. select productcode, productname, productvendor, buyprice, msrp from products where productline = ‘Classic Cars’ and quantityinstock between 5000 and 7000;



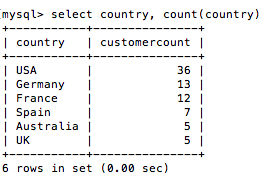
1. select productcode, productname, productvendor, buyprice, msrp from products having min(msrp);



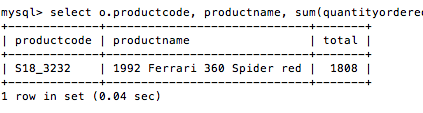
1. select productname, max(msrp-buyprice) as profit from products;



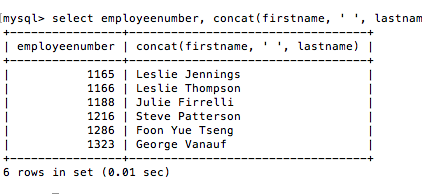
1. select country, count(country) as customercount from customers group by country having customercount >= 5 order by customercount desc;



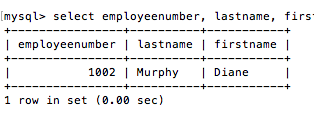
1. select o.productcode, productname, sum(quantityordered) total from products p, orderdetails o where o.productcode = p.productcode group by productcode order by total desc limit 1;



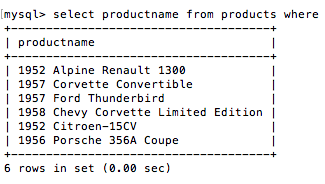
1. select employeenumber, concat(firstname, ‘ ‘, lastname) from employees where reportsto in (select employeenumber from employees where firstname = ‘Anthony’ and lastname = ‘Bow’);



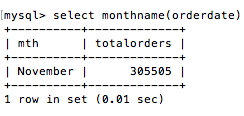
1. select employeenumber, lastname, firstname from employees where reportsto is NULL;



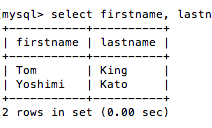
1. select productname from products where productline = ‘Classic Cars’ and productname like ‘195%’;



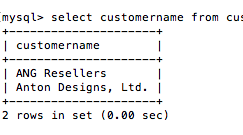
1. select monthname(orderdate) as mth, sum(distinct(ordernumber)) as totals from orders where year(orderdate) = 2003 group by mth order by totals desc limit 1;



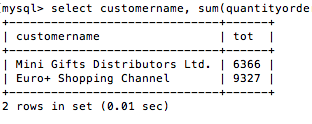
1. Select firstname, lastname from employees e left join customers c on e.employeenumber = c.salesrepemployeenumber where jobtitle = ’Sales Rep’ and c.salesrepemployeenumber is NULL;



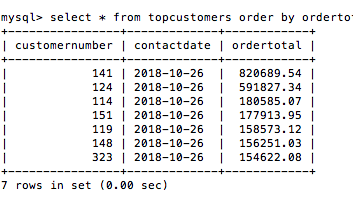
1. Select customername from customers c left join orders o on c.customernumber = o.customernumber where country = ‘Spain’ and o.customernumber is NULL;



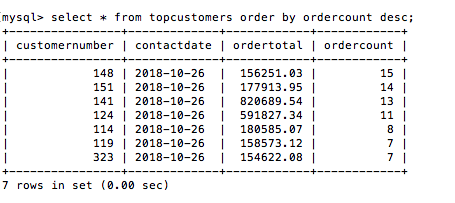
1. Select customername, sum(quantityordered) as tot from customers c, orderdetails od, orders o where c.customernumber = o.customnumber and o.ordernumber = od.ordernumber group by customername having tot > 2000;



1. create table TopCustomers(customernumber int not null, contactdate date not null, ordertotal decimal(9,2) not null, constraint TopCustomer\_PK primary key(customernumber));
2. insert into topcustomers(customernumber, contactdate, ordertotal) select c.customers, curdate(), sum(priceeach\*quantityordered) as tot from customers c, orders o, orderdetails od where c.customernumber = o.customernumber and o.ordernumber = od.ordernumber group by c.customernumber having tot > 150000;
3. select \* from topcustomers order by ordertotal desc;



1. alter table topcustomers add column ordercount int;
2. update topcustomers set ordercount floor(rand()\*20);
3. select \* from topcustomers order by ordercount desc;



1. drop table topcustomers;