TASKS

1. Prepare a list of offices sorted by country, state, city. 2. How many employees are there in the company?

3. What is the total of payments received?

4. List the product lines that contain 'Cars'.

5. Report total payments for October 28, 2004.

6. Report those payments greater than \\$100,000.

7. List the products in each product line.

8. How many products in each product line?

9. What is the minimum payment received?

10. List all payments greater than twice the average payment.

11. What is the average percentage markup of the MSRP on buyPrice?

12. How many distinct products does ClassicModels sell?

13. Report the name and city of customers who don't have sales representatives?

14. What are the names of executives with VP or Manager in their title? Use the CONCAT function to combine the employee's first name and last name into a single field for reporting.

15. Which orders have a value greater than $5,000?

SOLUTION

```
--- question 1
select country,state,city
from offices
group by country,state,city;

--- question 2
select distinct(employeeNumber)
from employees

---question 3
select sum(amount)
from payments;

--- question 4
select *
from productLines
where productLine like "%cars%";

---question 5
select sum(amount)
from payments
where paymentDate ='2008-10-28';

---question 6
select * from payments
where amount >100000;

---question 7
select l.productLine,p.productName,p.productLine
from productlines as l
join products as p
on p.productLine=l.productLine
order  by l.productLine,p.productName;

---question 8
select count(*)
from products
group by productLine;

----question 9
select min(amount)
from payments;

----question 10

select *
from payments
where amount >2 * (select avg(amount) from payments);

or
select avg(amount) from payments;
 32431.6455

select *
from payments
where amount >2 * 32431.645531;

----question 11
SELECT AVG((MSRP - buyPrice) / buyPrice * 100) AS AveragePercentageMarkup
FROM Products;

----question 12
select count(distinct(productCode))
from products;

----question 13
select salesRepEmployeeNumber,customerName,city
from customers
where salesRepEmployeeNumber is null;

----question 14
select * from employees
where jobTitle like '%VP%' OR '%Manager%' ;

14b)
select concat (firstName, " " ,lastName)
from employees;

----question 15
select * from payments
where amount >5000;
```