Use the PET database to answer the following questions. You may use VIEW (only when necessary) and/or UNION.

1. List the products with a list price greater than the average list price of all products.

ItemID Description ListPrice

2. Which merchandise items have an average sale price more than 50 percent higher than their average purchase cost?

ITEMID AVERAGE COST AVERAGE SALE PRICE

3. List the employees and their total merchandise sales expressed as a percentage of total merchandise sales for all employees.

EMPLOYEEID LASTNAME TOTALSALES PCTSALES

4. On average, which supplier charges the highest shipping cost as a percent of the merchandise order total?

SupplierID Name PctShipCost

5. Which customer has given us the most total money for animals and merchandise?

CustomerID LastName FirstName Total Total GrandTotal

6. Which customers who bought more than $100 in merchandise in May also spent more than $50 on merchandise in October?

CustomerID LastName FirstName MayTotal

7. What was the net change in quantity on hand for premium canned dog food between January 1 and July 1?

Description ItemID Purchased Sold NetIncrease

8. Which are the merchandise items with a list price of more than $50 and no sales in July?

ItemID Description ListPrice

9. Which merchandise items with more than 100 units on hand have not been ordered in 2004? Use an outer join to answer the question.

ItemID Description QuantityOnHand ItemID

10. Which merchandise items with more than 100 units on hand have not been ordered in 2004? Use a subquery to answer the question.

11. Save a query to answer Exercise 5: total amount of money spent by each customer. Create the table shown to categorize customers based on sales. Write a query that lists each customer from the first query and displays the proper label.

Table Category

|  |  |  |
| --- | --- | --- |
| Category | Low | High |
| Weak | 0 | 200 |
| Good | 200 | 800 |
| Best | 800 | 10000 |

Sample output

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CustomerID | LastName | FirstName | GrandTotal | Category |
| 1 | Walkin | Walkin | $2261.51 | Best |
| 2 | Cummings | Brent | $393.12 | Good |
| 3 | Logan | Dwight | $401.18 | Good |

12. List all suppliers (animals and merchandise) who sold us items in June. Identify whether they sold use animals or merchandise.

Name OrderType

13. Drop the table Category. Write a query to create the table Category shown in Exercise 11.

14. Write a query to insert the first row of data for the table in Exercise 11.

15. Write a query to change the High value to 400 in the first row of the table in Exercise 11.

17. Create a query to delete the first row of the table in Exercise 11.

18. Create a copy of the Employee table structure. Use a delete query to remove all data from the copy. Write a query to copy from the original employee table into the new one.