

1. By using the same database as for class 7's exercises, make queries to obtain the following information:

a) The names of the customers that have ordered a 'Dryer_D4'.

Sol: SELECT customerName from customer

INNER JOIN custorder on customer.CustomerID=custorder.CustomerID

INNER JOIN orderdetails on custorder.OrderID=orderdetails.OrderID

INNER JOIN product on orderdetails.ProductID=product.ProductID

WHERE productname="Dryer_D4";

b) The names of the customers that have ordered a 'Dryer_D4', without any duplicated names.

Sol: SELECT DISTINCT customerName from customer

INNER JOIN custorder on customer.CustomerID=custorder.CustomerID

INNER JOIN orderdetails on custorder.OrderID=orderdetails.OrderID

INNER JOIN product on orderdetails.ProductID=product.ProductID

WHERE productname="Dryer_D4";

c) The names of the customers that have ordered a 'Dryer_D4', without any duplicated names and sorted in descending alphabetical order.

Sol :SELECT DISTINCT customerName from customer

INNER JOIN custorderon customer.CustomerID=custorder.CustomerID

INNER JOIN orderdetails on custorder.OrderID=orderdetails.OrderID

INNER JOIN product on orderdetails.ProductID=product.ProductID

WHERE productname="Dryer_D4"

ORDER BY customerName DESC;

d) The names and unit prices of the appliances that cost less than \$1000 per unit.

Sol: SELECT productName,unitPrice FROM product

WHERE unitPrice<1000;

e) The name and unit price of the product which costs the most money.

Sol: SELECT productName,unitPrice FROM product

WHERE unitPrice=(SELECT MAX(unitPrice) FROM product);

f) The name and unit price of the product which costs the most money, with only 2 decimal places in the price.

Sol: SELECT productName,TRUNCATE(unitPrice,2) FROM product

WHERE unitPrice=(SELECT MAX(unitPrice) FROM product);

g) The names of the products sold to Henri Tweed.

Sol: SELECT ProductName from product

INNER JOIN orderdetails on orderdetails.ProductID=product.ProductID

INNER JOIN custorder on custorder.OrderID=orderdetails.OrderID

INNER JOIN customer on customer.CustomerID=custorder.CustomerID

WHERE customerName ="Henri Tweed";

h) The names of the products sold to Henri Tweed, without any duplicated names.

Sol: SELECT DISTINCT ProductName from product

INNER JOIN orderdetails on orderdetails.ProductID=product.ProductID

INNER JOIN custorder on custorder.OrderID=orderdetails.OrderID

INNER JOIN customer on customer.CustomerID=custorder.CustomerID

WHERE customerName ="Henri Tweed";

i) The names of the suppliers who sell products with a unit price of more than \$1000 and who sold products to James Teagan.

Sol: SELECT supplierName FROM supplier

INNER JOIN product ON supplier.SupplierID=product.SupplierID

INNER JOIN orderdetails ON product.ProductID=orderdetails.ProductID

INNER JOIN custorder ON custorder.OrderID=orderdetails.OrderID

INNER JOIN customer ON customer.CustomerID=custorder.CustomerID

WHERE unitPrice>1000 AND customerName="James Teagan";

j) The names of the suppliers who sell products with a unit price of more than \$1000 or who did not sell products to Ronald Sarko and sold products to Henri Tweed.

Sol: SELECT supplierName FROM supplier

INNER JOIN product ON supplier.SupplierID=product.SupplierID

INNER JOIN orderdetails ON product.ProductID=orderdetails.ProductID

INNER JOIN custorder ON custorder.OrderID=orderdetails.OrderID

INNER JOIN customer ON customer.CustomerID=custorder.CustomerID

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WHERE unitPrice>1000 OR customerName<>"Ronald Sarko" AND customerName="Henri Tweed";
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