

HOMEWORK (Advance SQL)

Part I

- 1.)
SELECT custNo, custFirstName, custLastName, custCity
FROM Customer
WHERE CustBal > 150 AND custNo IN (
 SELECT custNo
 FROM OrderTbl
 WHERE OrdDate BETWEEN "2004-02-01" AND "2004-02-29"
)
- 2.)
SELECT custNo, custFirstName, custLastName, custCity
FROM Customer
WHERE custBal > 150 AND EXISTS (
 SELECT *
 FROM OrderTbl
 WHERE OrdDate BETWEEN "2004-02-01" AND "2004-02-29"
 AND Customer.custNo = OrderTbl.custNo
)
- 3.)
SELECT ordNo, ordDate, Employee.empNo, empFirstName, empLastName
FROM OrderTbl
 LEFT OUTER JOIN Employee ON OrderTbl.EmpNo = Employee.EmpNo
WHERE OrdDate = "2004-01-23"
- 4.)
SELECT ordNo, ordDate, Employee.empNo, empFirstName, empLastName
 Customer.custNo, custFirstName, custLastName
FROM OrderTbl
 INNER JOIN Customer ON OrderTbl.custNo = Customer.custNo
 LEFT OUTER JOIN Employee ON OrderTbl.EmpNo = Employee.EmpNo
WHERE OrdDate = "2004-01-23"
- 5.)
SELECT custNo, custFirstName, custLastName
FROM Customer
WHERE custState = 'CO' AND NOT EXISTS (
 SELECT *
 FROM OrderTbl
 WHERE ordDate BETWEEN "2004-02-01" AND "2004-02-29"
 AND Customer.custNO = OrderTbl.custNo
)

- 6.) `SELECT custNo, custFirstName, custLastName
FROM Customer
WHERE custState = 'CO' AND CustNo IN (
 SELECT CustNo
 FROM OrderTbl
 WHERE ordDate NOT BETWEEN "2004-02-01" AND "2004-02-29"
)`
- 7.) `SELECT T.prodNo, prodName
FROM OrderTbl
 INNER JOIN (
 SELECT ordNo, Product.prodNo, prodName
 FROM OrdLine
 INNER JOIN Product ON OrdLine.prodNo = Product.prodNo
) T ON OrderTbl.ordNo = T.ordNo
WHERE OrderTbl.ordDate BETWEEN "2004-01-07" AND "2004-01-09"`

Part II

1.)

NumRows	NumShipDates
10	7

2.)

ProdNextShipDate	NumRows
NULL	3
1/22/2004	2
1/29/2004	1
2/1/2004	2
2/20/2004	2

3.)

ProdMfg	ProdNextShipDate	NumRows
ColorMeg, Inc.	2/20/2004	2
Connex	NULL	1
Connex	1/22/2004	3
Cybercx	2/1/2003	1
Ethlite	NULL	1
Intersafe	NULL	1
UV Components	1/29/2004	1