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Database Management

Section 902

Dr.Schwartz

BONUS

VENDORJOINQUERY1:

Get all vendor and snack deliveries. (List snack number, name, sourcecity, and vendor number)

SQL:

SELECT SNUM, SNACKNAME, SOURCECITY, VNUM

FROM SNACKS NATURAL JOIN DELIVERS;

Table:

SNUM	SNACKNAME	SOURCECITY	VNUM
S10	Pickles	LosAngeles	V10
S10	Pickles	LosAngeles	V50
S10	Pickles	LosAngeles	V10
S20	Hamburgers	Seattle	V50
S20	Hamburgers	Seattle	V50
S30	HotDogs	NewOrleans	V20
S30	HotDogs	NewOrleans	V50
S30	HotDogs	NewOrleans	V30
S30	HotDogs	NewOrleans	V20
S30	HotDogs	NewOrleans	V20
S30	HotDogs	NewOrleans	V20
S30	HotDogs	NewOrleans	V20
S30	HotDogs	NewOrleans	V20
S30	HotDogs	NewOrleans	V20
S40	Chips	LosAngeles	V30
S40	Chips	LosAngeles	V50
S50	Nachos	Seattle	V20
S50	Nachos	Seattle	V50
S50	Nachos	Seattle	V50
S50	Nachos	Seattle	V50
S60	Pretzels	LosAngeles	V50
S60	Pretzels	LosAngeles	V50
S60	Pretzels	LosAngeles	V40
S60	Pretzels	LosAngeles	V40

Cardinality: 24

VENDORJOINQUERY2:

Get all vendor and parks they deliver to. (List their numbers, names, and the amount they deliver)

SQL:

SELECT VNUM, PNUM, VENDORNAME, PARKNAME, AMOUNT

FROM VENDORS JOIN DELIVERS USING (VNUM)

JOIN PARKS USING (PNUM);

Table:

VNUM	PNUM	VENDORNAME	PARKNAME	AMOUNT
V10	P100	SnackMeister	OraclePark	200
V20	P100	CostMore	OraclePark	400
V30	P100	ScamsClub	OraclePark	200
V20	P200	CostMore	MySQLPark	100
V20	P200	CostMore	MySQLPark	200
V30	P200	ScamsClub	MySQLPark	500
V50	P200	HomerClub	MySQLPark	200
V50	P200	HomerClub	MySQLPark	200
V20	P300	CostMore	MongoField	200
V40	P300	Scamazon	MongoField	300
V10	P400	SnackMeister	PostgreSQLPark	700
V20	P400	CostMore	PostgreSQLPark	500
V50	P400	HomerClub	PostgreSQLPark	100
V50	P400	HomerClub	PostgreSQLPark	500
V50	P400	HomerClub	PostgreSQLPark	800
V50	P400	HomerClub	PostgreSQLPark	400
V50	P400	HomerClub	PostgreSQLPark	100
V50	P400	HomerClub	PostgreSQLPark	200
V20	P500	CostMore	DB2Field	600
V50	P500	HomerClub	DB2Field	500
V20	P600	CostMore	AccessStadium	400
V20	P700	CostMore	TeradataField	800
V40	P700	Scamazon	TeradataField	300
V50	P700	HomerClub	TeradataField	100

Cardinality: 24

VENDORJOINQUERY3:

Get all deliveries. (List vendor, park and snack numbers, their names, and the prices of the snacks)

SQL:

SELECT V.VNUM, P.PNUM, S.SNUM, V.VENDORNAME, P.PARKNAME, S.SNACKNAME, S.PRICE

FROM VENDORS V JOIN DELIVERS D ON V.VNUM = D.VNUM

JOIN PARKS P ON P.PNUM = D.PNUM

JOIN SNACKS S ON S.SNUM = D.SNUM;

Table:

VNUM	PNUM	SNUM	VENDORNAME	PARKNAME	SNACKNAME	PRICE
V10	P100	S10	SnackMeister	OraclePark	Pickles	14.99
V20	P100	S30	CostMore	OraclePark	HotDogs	19.99
V30	P100	S30	ScamsClub	OraclePark	HotDogs	19.99
V50	P200	S20	HomerClub	MySQLPark	Hamburgers	24.99
V20	P200	S30	CostMore	MySQLPark	HotDogs	19.99
V30	P200	S40	ScamsClub	MySQLPark	Chips	14.99
V20	P200	S50	CostMore	MySQLPark	Nachos	19.99
V50	P200	S60	HomerClub	MySQLPark	Pretzels	14.99
V20	P300	S30	CostMore	MongoField	HotDogs	19.99
V40	P300	S60	Scamazon	MongoField	Pretzels	14.99
V10	P400	S10	SnackMeister	PostgreSQLPark	Pickles	14.99
V50	P400	S10	HomerClub	PostgreSQLPark	Pickles	14.99
V50	P400	S20	HomerClub	PostgreSQLPark	Hamburgers	24.99
V20	P400	S30	CostMore	PostgreSQLPark	HotDogs	19.99
V50	P400	S30	HomerClub	PostgreSQLPark	HotDogs	19.99
V50	P400	S40	HomerClub	PostgreSQLPark	Chips	14.99
V50	P400	S50	HomerClub	PostgreSQLPark	Nachos	19.99
V50	P400	S60	HomerClub	PostgreSQLPark	Pretzels	14.99
V20	P500	S30	CostMore	DB2Field	HotDogs	19.99
V50	P500	S50	HomerClub	DB2Field	Nachos	19.99
V20	P600	S30	CostMore	AccessStadium	HotDogs	19.99
V20	P700	S30	CostMore	TeradataField	HotDogs	19.99
V50	P700	S50	HomerClub	TeradataField	Nachos	19.99

| V40 | P700 | S60 | Scamazon | TeradataField | Pretzels | 14.99 |

Cardinality: 24

VENDORJOINQUERY4:

Get all park numbers and locations, along with snack numbers and locations that share locations, if any.

SQL:

SELECT P.PNUM, P.LOCATION, S.SNUM, S.SOURCECITY

FROM PARKS P LEFT JOIN SNACKS S ON P.LOCATION = S.SOURCECITY;

Table:

PNUM	LOCATION	SNUM	SOURCECITY
P500	LosAngeles	S10	LosAngeles
P700	LosAngeles	S10	LosAngeles
P100	Seattle	S20	Seattle
P200	NewOrleans	S30	NewOrleans
P500	LosAngeles	S40	LosAngeles
P700	LosAngeles	S40	LosAngeles
P100	Seattle	S50	Seattle
P500	LosAngeles	S60	LosAngeles
P700	LosAngeles	S60	LosAngeles
P300	Miami		
P400	Miami		
P600	Poughkeepsie		

Cardinality: 12

VENDORJOINQUERY5:

Get all park numbers along with vendor number and name, that share locations, if any.

SQL:

SELECT V.VNUM, HQLOC, PNUM, LOCATION AS PARKLOC

FROM VENDORS V RIGHT JOIN PARKS P ON V.HQLOC = P.LOCATION;

Table:

VNUM		HQLOC	PNUM	PARKLOC
V10		LosAngeles	P500	LosAngeles
V10		LosAngeles	P700	LosAngeles
V20		Seattle	P100	Seattle
V30		Seattle	P100	Seattle
V40		LosAngeles	P500	LosAngeles
V40		LosAngeles	P700	LosAngeles
V50		Miami	P300	Miami
V50		Miami	P400	Miami
			P200	NewOrleans
			P600	Poughkeepsie

Cardinality: 10

VENDORJOINQUERY6:

Get all vendors and snacks number and name that share a location if any.

SQL:

SELECT VNUM, VENDORNAME, SNUM, SNACKNAME

FROM VENDORS V FULL JOIN SNACKS S ON V.HQLOC = S.SOURCECITY;

Table:

VNUM	VENDORNAME	SNUM	SNACKNAME
V10	SnackMeister	S10	Pickles
V40	Scamazon	S10	Pickles
V20	CostMore	S20	Hamburgers
V30	ScamsClub	S20	Hamburgers
		S30	HotDogs
V10	SnackMeister	S40	Chips
V40	Scamazon	S40	Chips
V20	CostMore	S50	Nachos

V30	ScamsClub	S50	Nachos
V10	SnackMeister	S60	Pretzels
V40	Scamazon	S60	Pretzels
V50	HomerClub		

Cardinality: 12