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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