Jozef Gjidoda

Database Management

Section 902

Dr.Schwartz

**Lab 3**

**Query 21 Vendors:**

Park names that receive a delivery of at least one snack from Vendor CostMore.

*SQL Statement:*

SELECT DISTINCT P.PARKNAME

FROM DELIVERS D, VENDORS V, PARKS P

WHERE V.VENDORNAME = 'CostMore';

*Table:*

|  |
| --- |
| **PARKNAME** |
| DB2Field |
| OraclePark |
| TeradataField |
| MySQLPark |
| MongoField |
| PostgreSQLPark |
| AccessStadium |

*Cardinality: 7*

**Query 22 Vendors:**

Vendor numbers for vendors with region lower than ScamsClub.

*SQL Statement:*

SELECT TARGET\_V.VNUM

FROM VENDORS TARGET\_V, VENDORS VENDOR\_SC

WHERE VENDOR\_SC.VENDORNAME = 'ScamsClub'

AND TARGET\_V.REGION < VENDOR\_SC.REGION;

*Table:*

|  |
| --- |
| **VNUM** |
| V10 |
| V20 |

*Cardinality: 2*

**Query 23 Vendors:**

Park numbers for parks whose city is alphebetically first.

*SQL Statement:*

SELECT P.PNUM

FROM PARKS P

ORDER BY P.LOCATION;

*Table:*

|  |
| --- |
| **PNUM** |
| P500 |
| P700 |
| P300 |
| P400 |
| P200 |
| P600 |
| P100 |

*Cardinality: 7*

**Query 24 Vendors:**

Park numbe4rs for parks that recaive deliveries of snack s10 with an average amount greater than the greatest quantity of any snack delivered to park p100.

*SQL Statement:*

SELECT DEL\_1.PNUM

FROM DELIVERS DEL\_1, DELIVERS DEL\_2

WHERE DEL\_2.PNUM = 'P100'

AND DEL\_1.SNUM = 'S10'

GROUP BY DEL\_1.PNUM

HAVING AVG(DEL\_1.AMOUNT) >= MAX(DEL\_2.AMOUNT);

*Table:*

|  |
| --- |
| **PNUM** |
| P400 |

*Cardinality: 1*

**Query 25 Vendors:**

Park numbe4rs for parks that recaive deliveries of snack s10 with an amount greater than the average delivery amount of snack s10 for the correspoding park.

*SQL Statement:*

SELECT DEL\_1.VNUM

FROM DELIVERS DEL\_1, DELIVERS DEL\_2

WHERE DEL\_1.SNUM = 'S10'

GROUP BY DEL\_1.VNUM

HAVING AVG(DEL\_2.AMOUNT) < AVG(DEL\_1.AMOUNT);

*Table:*

|  |
| --- |
| **VNUM** |
| V10 |

*Cardinality: 1*

**Query 26 Vendors:**

All cities where at least one vendor, snack or park is located.

*SQL Statement:*

SELECT DISTINCT P.LOCATION

FROM PARKS P

UNION

SELECT DISTINCT V.HQLOC

FROM VENDORS V

UNION

SELECT DISTINCT S.SOURCECITY

FROM SNACKS S;

*Table:*

|  |
| --- |
| **LOCATION** |
| LosAngeles |
| Miami |
| NewOrleans |
| Poughkeepsie |
| Seattle |

*Cardinality: 5*

**Query 27 Vendors:**

Snack numbers for snacks that are delivered to a vendor or park based out of Los Angeles.

*SQL Statement:*

SELECT D.SNUM

FROM DELIVERS D, VENDORS V

WHERE V.HQLOC = 'LosAngeles'

UNION

SELECT D.SNUM

FROM DELIVERS D, PARKS P

WHERE P.LOCATION = 'LosAngeles';

*Table:*

|  |
| --- |
| **SNUM** |
| S10 |
| S20 |
| S30 |
| S40 |
| S50 |
| S60 |

*Cardinality: 6*