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Database Management

Section 902

Dr.Schwartz

**TV Project (Part 2)**

**TVJOINQUERY1:**

Get all actors and their agents. (List the actors and agents' number and name)

SQL:

SELECT ACTOR\_NUM, ACTOR\_NAME, AGENT\_NUM, AGENT\_NAME

FROM ZACTOR NATURAL JOIN ZAGENT;

*Table:*

Cardinality: 37

**TVJOINQUERY2:**

Get all producers who earned an award (List producers' number, and name. Award name and year.

SQL:

SELECT PROD\_NUM, PROD\_NAME, AWARD\_NAME, AWARD\_YEAR

FROM ZPRODUCER JOIN ZEARNS USING (PROD\_NUM)

JOIN ZAWARD USING (AWARDID);

Table:

|  |  |  |  |
| --- | --- | --- | --- |
| **PROD\_NUM** | **PROD\_NAME** | **AWARD\_NAME** | **AWARD\_YEAR** |
| 1 | R S Lewis | Emmy | 1974 |
| 1 | R S Lewis | Emmy | 1975 |
| 1 | R S Lewis | Emmy | 1976 |
| 2 | A Spaulding | Emmy | 1980 |
| 5 | V Chamberlan | PeopleChoice | 1989 |

Cardinality: 5

**TVJOINQUERY3:**

Get all tv shows that have a spinoff. (List the name of both the original and the spinoff)

SQL:

SELECT TVS.SHOW\_NAME AS ORIGSHOW, TVSPIN.SHOW\_NAME AS SPINOFF

FROM ZTVSHOW TVS JOIN ZSPINOFF SPIN ON TVS.SHOW\_NUM = SPIN.PARENT\_NUM

JOIN ZTVSHOW TVSPIN ON TVSPIN.SHOW\_NUM = SPIN.SPINOFF\_NUM;

Table:

|  |  |
| --- | --- |
| **ORIGSHOW** | **SPINOFF** |
| All in the Family | Jeffersons |
| All in the Family | Maude |
| Mary T Moore | Lou Grant |
| Mary T Moore | Phyllis |
| Mary T Moore | Rhoda |
| Maude | Good Times |

Cardinality: 5

**TVJOINQUERY4:**

Get all parents along with networks they have if any.

SQL:

SELECT P.PARENT\_NAME, N.NETWORK\_ID

FROM ZPARENTCOMP P LEFT JOIN ZNETWORK N ON P.PARENT\_NUM = N.PARENT\_NUM;

Table:

|  |  |
| --- | --- |
| **PARENT\_NAME** | **NETWORK\_ID** |
| Disney | ABC |
| Westinghouse | CBS |
| RCA | FOX |
| GE | NBC |
| Time | MTV |
| P&G |  |
| Gen Motors |  |
| Nabisco |  |
| Red Tape Inc |  |

**TVJOINQUERY5:**

Get all actor names and salaries along with producers if any.

SQL:

SELECT P.PROD\_NAME, PB.PROD\_SALARY AS PRODSALARY, A.ACTOR\_NAME, PL.ACTOR\_SALARY AS ACTORSALARY

FROM ZPRODBY PB RIGHT JOIN ZPLAY PL ON PB.PROD\_SALARY = PL.ACTOR\_SALARY

RIGHT JOIN ZACTOR A ON A.ACTOR\_NUM = PL.ACTOR\_NUM

LEFT JOIN ZPRODUCER P ON P.PROD\_NUM = PB.PROD\_NUM;

Cardinality: 160

**TVJOINQUERY6:**

Get all tv show and award names that share the same year if any for either.

SQL:

SELECT A.AWARD\_NAME, TVS.SHOW\_NAME

FROM ZAWARD A FULL JOIN ZTVSHOW TVS ON A.AWARD\_YEAR = TVS.START\_YEAR;

Cardinality: 125