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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 ZEARNES 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