Database Management TV Project

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<center>TV Project</center>

1. Query number: Query1

   English statement: --*** List the characters on shows sponsored by _____. (Give the character name and TVshow name.) (Use Levis in your printed results.)

   SQL Statement:

   SELECT DISTINCT zCharacter.char_name,zTVShow.show_name

   FROM zCharacter,zTVShow, zSponsor, zSponsorBy, zPlay

   WHERE zSponsor.sponsor_name = '&PleaseEnterSposnsorName'

   AND zCharacter.char_num = zPlay.char_num

   AND zTVShow.show_num = zPlay.show_num

   AND zSponsor.sponsor_num = zSponsorBy.sponsor_num

   AND zSponsorBy.show_num = zTVShow.show_num;

CHAR_NAME	SHOW_NAME
Fr Mulcahy	M*A*S*H
Marshall Dillon	Gunsmoke
Hawkeye	M*A*S*H
Margaret Houlihan	M*A*S*H
Miss Kitty	Gunsmoke
Lou Grant	Lou Grant
Doc	Gunsmoke
Festus	Gunsmoke
Phyllis Lindstrom	Phyllis

CHAR_NAME	SHOW_NAME
Joe Rossi	Lou Grant
Frank Burns	M*A*S*H
Bess Lindstrom	Phyllis
J Erskine	Phyllis

Cardinality: 13

2. Query number: Query2

English Statement: - - Name characters on TV shows whose producer is his/hers 40's. (give the character's name, the TVShow name, the producer's name, and producers name)

SQL Statement:

SELECT DISTINCT

zCharacter.char_name,zTVShow.show_name,zProducer.prod_name,zProducer.prod_age

FROM zCharacter, zTVShow, zProducer, zPlay,zProdBy

WHERE zProducer.prod_age BETWEEN 40 AND 49

AND zCharacter.char_num = zPlay.char_num

AND zPlay.show_num = zTVShow.show_num

AND zProducer.prod_num = zProdBy.prod_num

AND zTVShow.show_num = zProdBy.show_num;

Result

CHAR_NAME	SHOW_NAME	PROD_NAME	PROD_AGE
Florida Evans	Good Times	R S Lewis	45
Archie Bunker	All in the Family	R S Lewis	45
George Jefferson	Jeffersons	R S Lewis	45
T Betancourt	All in the Family	R S Lewis	45
Maude Findlay	All in the Family	R S Lewis	45
Frank Burns	M*A*S*H	R S Lewis	45

CHAR_NAME	SHOW_NAME	PROD_NAME	PROD_AGE
George Jefferson	All in the Family	R S Lewis	45
Butthead	Beavis & BH	Mike Jordan	45
Sue Bundy	Married with Children	V Chamberlan	40
James Evans	Good Times	R S Lewis	45
JJ Evans	Good Times	R S Lewis	45
Margaret Houlihan	M*A*S*H	R S Lewis	45
Louise Jefferson	Jeffersons	R S Lewis	45
Beavis	Beavis & BH	Mike Jordan	45
Edith Bunker	All in the Family	R S Lewis	45
Louise Jefferson	All in the Family	R S Lewis	45
Fr Mulcahy	M*A*S*H	R S Lewis	45
Al Bundy	Married with Children	V Chamberlan	40
Peggy Bundy	Married with Children	V Chamberlan	40
Marybeth Lacey	Cagney&Lacey	Mike Jordan	45
Hawkeye	M*A*S*H	R S Lewis	45
Kelly Bundy	Married with Children	V Chamberlan	40
Chris Cagney	Cagney&Lacey	Mike Jordan	45

Cardinality: 23

3. Query number: Query3

English Statement: -- Name agents who represent a producer of a show on one of the Big Three Networks (ABC, CBS, or NBC). (Give the agent's name and the producer's name.)

SQL Statement:

SELECT DISTINCT zAgent.agent_name, zProducer.prod_name

FROM zAgent,zProducer,zProdBy,zNetwork,zTVShow

WHERE zNetwork.network_id = 'ABC' OR zNetwork.network_id = 'NBC' OR zNetwork.network_id = 'CBS'

AND zAgent.agent_num = zProducer.agent_num

AND zProducer.prod_num = zProdBy.prod_num

AND zProdBy.show_num = zTVShow.show_num

AND zTVShow.network_id = zNetwork.network_id;

Cardinality: 60

4. Query number: Query4

English Statement: -- Sometimes, an actor plays more than one character on a TV show. List these actors and the characters they played. (Give the character's name and the actor's name. You'll have a record for each actor/character pair.)

SQL Statement:

SELECT zCharacter.char_name, zActor.actor_name

FROM zCharacter,zActor,zPlay

WHERE zCharacter.char_num = zPlay.char_num

AND zPlay.actor_num = zActor.actor_num

AND zPlay.actor_num IN

   (SELECT zPlay.actor_num,

    FROM zPlay

    GROUP BY (zPlay.actor_num, zPlay.show_num)

    HAVING COUNT(*)> 1);

CHAR_NAME	ACTOR_NAME
Peggy Bundy	Katay Sagal
Sue Bundy	Katay Sagal
Ted Baxter	Ted Knight
Fred Baxter	Ted Knight
Beavis	Mike Judge
Butthead	Mike Judge

Cardinality: 6

5. Query number: Query5

English Statement -- TVShows pay actors. They also pay producers. Give a sorted list of TVShows, based on their total payrolls. (Give the

TVShow name and the total payroll, sorted by payroll.)

SQL Statement:

SELECT Result.TV, SUM(Salary)

FROM(SELECT T.show_name AS TV, Play.actor_salary AS Salary

     FROM zPlay Play, zTVShow T

     WHERE Play.show_num = T.show_num

     UNION

     SELECT T.show_name AS TV, PBY.prod_salary AS Salary

     FROM zProdBy PBY, zTVShow T

     WHERE T.show_num = PBY.show_num) Result

Group BY Result.TV

ORDER BY SUM(Salary) DESC;

TV	SUM(SALARY)
Maude	85000
M*A*S*H	80000

TV	SUM(SALARY)
All in the Family	75000
Married with Children	67000
Gunsmoke	65650
Cagney&Lacey	65000
Phyllis	65000
Mary T Moore	56000
Lou Grant	55000
Good Times	50000
Rhoda	50000
60 Minutes	30000
Beavis & BH	30000
Jeffersons	25000
Hee Haw	12000

Cardinality: 15

6. Query number: Query6

English Statement: --A spin-off is a show that was created from another "parent" show. Identify the spinoffs that appeared on a different network than their parent show. (Give the spinoff, its network, its parent show and the parent show's network.)

SQL Statement:

SELECT SpinoffShow.show_name, SpinoffShow.network_id, ParentShow.show_name, ParentShow.network_id

FROM (

    SELECT *

    FROM zTVShow

    INNER JOIN zSpinoff ON zSpinoff.spinoff_num = zTVShow.show_num) SpinoffShow

INNER JOIN(

    SELECT *

FROM zTVShow

INNER JOIN zSpinoff ON zSpinoff.parent_num = zTVShow.show_num) ParentShow

ON SpinoffShow.show_num = ParentShow.spinoff_num

WHERE SpinoffShow.network_id <> ParentShow.network_id;

SHOW_NAME	NETWORK_ID	SHOW_NAME_1	NETWORK_ID_1
Maude	ABC	All in the Family	CBS
Phyllis	ABC	Mary T Moore	CBS
Lou Grant	NBC	Mary T Moore	CBS
Good Times	NBC	Maude	ABC

Cardinality: 4

7. Query number: query7

English Statement: -- Name producers who have either won no awards or have produced a show that won no awards. (Give the producer's name and his/her age.)

SQL Statement:

SELECT zProducer.prod_name,zProducer.prod_age

FROM zProducer

WHERE zProducer.prod_num NOT IN(

SELECT zPRODAWARD.prod_num

FROM zProdAward

)

OR zProducer.prod_num IN(

SELECT zProdBy.prod_num

FROM zProdBy

WHERE zProdBy.show_num IN(

SELECT zTVShow.show_num

FROM zTVShow

WHERE zTVSHOW.show_num NOT IN(

SELECT zShowAward.show_num

FROM zShowAward

)

)

);

PROD_NAME	PROD_AGE
R S Lewis	45
Dinah Marler	22
Susan Piper	60
Mike Jordan	45

Cardinality: 4

8. Query number: query8

English Statement: -- List awards that, according to the current data in the database, were not awarded. (Give the award name, award type, and award year.)

SQL Statement:

SELECT zAward.award_name, zAward.award_type, zAward.award_year

FROM zAward

WHERE Not exists

(SELECT *

FROM zShowAward

WHERE zAward.award_name = zShowAward.award_name

AND zAward.award_type = zShowAward.award_type

AND zAward.award_year = zShowAward.award_year

)

AND Not exists

(SELECT *

FROM zActor_Award

WHERE zAward.award_name = zActor_Award.award_name

AND zAward.award_type = zActor_Award.award_type

AND zAward.award_year = zActor_Award.award_year

)

AND Not exists

(SELECT *

FROM zProdaward

WHERE zAward.award_name = zProdaward.award_name

AND zAward.award_type = zProdaward.award_type

AND zAward.award_year = zProdaward.award_year

);

Cardinality: 54

9. Query number: Query9

English Statement: -- Name award-winning shows that have featured award-winning actor(s) and were produced by award-winning producer(s). (Give the show names and their network.)

SQL Statement:

SELECT DISTINCT T.show_name, N.network_id

FROM zNetwork N, zProdAward P, zShowAward S, zAward A, zActor_Award AA, zTVShow T

WHERE A.award_name = AA.award_name

AND A.award_name = P.award_name

AND T.show_num = S.show_num

AND T.network_id = N.network_id;

SHOW_NAME	NETWORK_ID
Married with Children	FOX
M*A*S*H	CBS
Mary T Moore	CBS
Beavis & BH	MTV
Lou Grant	NBC
Cagney&Lacey	CBS
All in the Family	CBS

Cardinality:7

10. Query number: Query10

English statement: -- --*** Name shows that are somehow associated with parent company _____. This means that if _____ is a parent company for anything related to the show (sponsor, network, etc.), then you should list that show. (Give the show name and network.) (Use RCA in your printed results.)

SQL Statement:

SELECT T.show_name, N.network_id

FROM zNetwork N, zTVShow T, zDistributor D, zParentComp P

WHERE P.parent_name = '&PleaseEnterParentName'

AND N.network_id = T.network_id

AND T.distr_name = D.distr_name

AND D.parent_num = P.parent_num;

SHOW_NAME	NETWORK_ID
All in the Family	CBS
Beavis & BH	MTV

SHOW_NAME	NETWORK_ID
Good Times	NBC
Jeffersons	CBS
Maude	ABC
Gunsmoke	CBS
Hee Haw	ABC

Cardinality: 7

SHOW_NAME	NETWORK_ID
Good Times	NBC
Jeffersons	CBS