**Assignment :** TV Project

**Name :** 1) Pritesh Gandhi 2) Rahul Sakharshete

1. List the characters on shows sponsored by Wendys. (Give the character name and show name.)

=>

Query:

SELECT DISTINCT rp.char\_name, rts.show\_name

FROM rplay rp,rsponsorby rsb,rtvshow rts

WHERE rp.show\_num=rsb.show\_num

AND rts.show\_num=rp.show\_num

AND rsb.sponsor\_name='Wendys';

Result:

|  |  |
| --- | --- |
| CHAR\_NAME | SHOW\_NAME |
| P Lindstrom | Mary T Moore |
| R Morgenstrn | Mary T Moore |
| Al Bundy | Married w/Ch |
| Peggy Bundy | Married w/Ch |
| M Richards | Mary T Moore |
| Ted Baxter | Mary T Moore |
| Lou Grant | Mary T Moore |
| P Lindstrom | Phyllis |
| Kelly Bundy | Married w/Ch |
| B Lindstrom | Phyllis |
| J Erskine | Phyllis |

Cardinality: 11

1-b. List the characters on shows sponsored by \_\_\_\_(User input) . (Give the character name and show name.)

=>

Query :

SELECT DISTINCT rp.char\_name, rts.show\_name

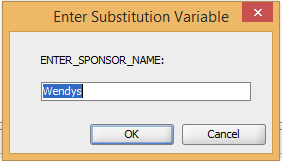
FROM rplay rp,rsponsorby rsb,rtvshow rts

WHERE rp.show\_num=rsb.show\_num

AND rts.show\_num=rp.show\_num

AND rsb.sponsor\_name='&Enter\_Sponsor\_Name';

Result :



|  |  |
| --- | --- |
| CHAR\_NAME | SHOW\_NAME |
| P Lindstrom | Mary T Moore |
| R Morgenstrn | Mary T Moore |
| Al Bundy | Married w/Ch |
| Peggy Bundy | Married w/Ch |
| M Richards | Mary T Moore |
| Ted Baxter | Mary T Moore |
| Lou Grant | Mary T Moore |
| P Lindstrom | Phyllis |
| Kelly Bundy | Married w/Ch |
| B Lindstrom | Phyllis |
| J Erskine | Phyllis |

Cardinality: 11

2. Name all actors who have played teenaged characters. (Give the actor's name, character's name, and character's age.)

=>

Query :

SELECT DISTINCT ra.actor\_name, rp.char\_name,rc.char\_age

FROM ractor ra,rplay rp,rcharacter rc

WHERE ra.actor\_num=rp.actor\_num

AND rp.char\_name=rc.char\_name

AND rc.char\_age>=13

AND rc.char\_age<=19;

Result :

|  |  |  |
| --- | --- | --- |
| ACTOR\_NAME | CHAR\_NAME | CHAR\_AGE |
| J Walker | JJ Evans | 18 |
| C Applegate | Kelly Bundy | 15 |
| L Gerritsen | B Lindstrom | 13 |
| Mike Judge | Butthead | 14 |
| Mike Judge | Beavis | 13 |

Cardinality: 5

3. List all shows which were on the air at some point during the 1980s. (Give the name, start date, and end date of each show.)

=>

Query :

SELECT DISTINCT rts.show\_name,(rts.start\_month||'/' ||rts.start\_year) start\_date,(rts.end\_month|| '/' || rts.end\_year) end\_date

FROM rtvshow rts

WHERE (rts.start\_year>=1980

AND rts.start\_year<=1989)

or (rts.end\_year>=1980

AND rts.end\_year<=1989);

Result :

|  |  |  |
| --- | --- | --- |
| SHOW\_NAME | START\_DATE | END\_DATE |
| Jeffersons | 1/1975 | 7/1985 |
| All in Famly | 1/1971 | 9/1983 |
| Married w/Ch | 4/1987 | 5/1995 |
| Cagney&Lacey | 3/1982 | 8/1988 |
| M\*A\*S\*H | 9/1972 | 9/1983 |
| Lou Grant | 9/1977 | 9/1982 |

Cardinality: 6

4. List the actors who have appeared on at least one award-winning show. (Give each actor's name.)

=>

Query :

SELECT DISTINCT ra.actor\_name

FROM ractor ra,rshowaward rsa,rplay rp

WHERE ra.actor\_num=rp.actor\_num

and rsa.show\_num=rp.show\_num;

Cardinality: 24

5. Name all agents who represent a producer of a show on one of the Big Three Networks (ABC, CBS, NBC). (Give the agent's name and the producer's name.)

=>

Query :

SELECT DISTINCT rp.agent\_name,rpb.prod\_name

FROM rprodby rpb,rproducer rp,rtvshow rts

WHERE rpb.prod\_name=rp.prod\_name

AND rts.show\_num=rpb.show\_num

AND rts.network\_id IN ('ABC','CBS','NBC');

Result :

|  |  |
| --- | --- |
| AGENT\_NAME | PROD\_NAME |
| Dot Warner | R S Lewis |
| T Singletary | Mike Jordan |
| Lois Lane | A Spaulding |
| Yosemite Sam | Susan Piper |
| Chris Berman | Dinah Marler |

Cardinality: 5

5-b. Name all agents who represent a producer of a show on one of the Big Three Networks (User input) . (Give the agent's name and the producer's name.)

=>

Query :

SELECT DISTINCT rp.agent\_name,rpb.prod\_name

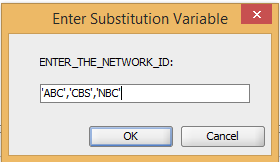
FROM rprodby rpb,rproducer rp,rtvshow rts

WHERE rpb.prod\_name=rp.prod\_name

AND rts.show\_num=rpb.show\_num

AND rts.network\_id IN (&Enter\_the\_network\_id);

Result :



|  |  |
| --- | --- |
| AGENT\_NAME AGENT\_NAME | PROD\_NAME |
| Dot Warner | R S Lewis |
| T Singletary | Mike Jordan |
| Lois Lane | A Spaulding |
| Yosemite Sam | Susan Piper |
| Chris Berman | Dinah Marler |

Cardinality: 5

6. Sometimes, a single character on a TV show is played by more than one actor. List these characters and the actors who played them. (Give the character’s name and the actor’s name.)

=>

Query :

SELECT DISTINCT rp\_first.char\_name ,ra.actor\_name

FROM ractor ra,rplay rp\_first,rplay rp\_second

WHERE ra.actor\_num=rp\_first.actor\_num

AND rp\_second.char\_name=rp\_first.char\_name

AND rp\_second.actor\_num!=rp\_first.actor\_num

ORDER BY rp\_first.char\_name;

Result :

|  |  |
| --- | --- |
| CHAR\_NAME | ACTOR\_NAME |
| Chris Cagney | Loretta Swit |
| Chris Cagney | Sharon Gless |
| Fr Mulcahy | G Morgan |
| Fr Mulcahy | W Christophr |
| G Jefferson | Mel Stewart |
| G Jefferson | S Hemsley |

Cardinality: 6

7. A spin-off is a show that was created from another “parent" show. List all spin-offs that, at some point, ran concurrently with their "parent" show. (Give the name of the parent show, its playdates, the name of the spin-off and its playdates.)

=>

Query :

SELECT rts\_parent.show\_name parent\_show,(rts\_parent.start\_month || '/' || rts\_parent.start\_year) parent\_start\_date, (rts\_parent.end\_month || '/' || rts\_parent.end\_year) parent\_end\_date, rts\_spinoff.show\_name spinoff\_show, (rts\_spinoff.start\_month || '/' || rts\_spinoff.start\_year) spinoff\_start\_date, (rts\_spinoff.end\_month || '/' || rts\_spinoff.end\_year) spinoff\_end\_date

FROM rtvshow rts\_parent,rtvshow rts\_spinoff, rspinoff rs

WHERE rs.parent\_num=rts\_parent.show\_num

AND rs.spinoff\_num=rts\_spinoff.show\_num

AND (to\_date(rts\_parent.end\_month || '/' || rts\_parent.end\_year,'mm/yyyy')) > (to\_date( rts\_spinoff.start\_month || '/' || rts\_spinoff.start\_year,'mm/yyyy'));

Result :

|  |  |  |
| --- | --- | --- |
| PARENT\_SHOW | PARENT\_START\_DATE | PARENT\_END\_DATE |
| Maude | 9/1972 | 4/1978 |
| All in Famly | 1/1971 | 9/1983 |
| All in Famly | 1/1971 | 9/1983 |
| Mary T Moore | 9/1970 | 8/1977 |
| Mary T Moore | 9/1970 | 8/1977 |

|  |  |  |
| --- | --- | --- |
| SPINOFF\_SHOW | SPINOFF\_START\_DATE | SPINOFF\_END\_DATE |
| Good Times | 2/1974 | 8/1979 |
| Jeffersons | 1/1975 | 7/1985 |
| Maude | 9/1972 | 4/1978 |
| Phyllis | 9/1975 | 8/1977 |
| Rhoda | 9/1974 | 12/1978 |

Cardinality: 5

8. List all characters that appeared on a "parent" show and its spin-off. (Give the name of the character.)

=>

Query :

SELECT DISTINCT rp\_first.char\_name

FROM rspinoff rs,rplay rp\_first,rplay rp\_second

WHERE rs.parent\_num=rp\_first.show\_num

AND rs.spinoff\_num=rp\_second.show\_num

AND rp\_first.char\_name=rp\_second.char\_name;

Result :

|  |
| --- |
| CHAR\_NAME |
| P Lindstrom |
| Lou Grant |
| G Jefferson |
| R Morgenstrn |
| L Jefferson |
| M Findlay |
| F Evans |
| James Evans |

Cardinality: 8

9. Name all actors who have either won no awards or have appeared on a show that won no awards. (Give the actor's name and his/her tvq.)

=>

Query :

SELECT DISTINCT ra.actor\_name,ra.tvq

FROM ractor ra

WHERE ra.actor\_num NOT IN

(SELECT raa.actor\_num

FROM ractoraward raa)

OR ra.actor\_num NOT IN

(SELECT rp.actor\_num

FROM rplay rp,rshowaward rsa

WHERE rp.show\_num = rsa.show\_num);

Result :

|  |  |
| --- | --- |
| **ACTOR\_NAME** | **TVQ** |
| Liz Torres | 10 |
| J Walker | 40 |
| L Gerritsen | 45 |
| John Amos | 20 |
| A Barbeau | 35 |
| Katay Sagal | 30 |
| G Morgan | 45 |
| W Christophr | 40 |
| Mike Judge | 20 |
| I Sanford | 50 |
| Julie Kavner | 40 |
| S Hemsley | 60 |
| C Applegate | 40 |
| R Walden | 20 |
| Ted Knight | 35 |
| C Leachman | 35 |
| Mel Stewart | 20 |
| Ester Rolle | 50 |
| L Linville | 25 |
| Ed O\_Neill | 15 |

Cardinality: 20

10. List all awards that, according to the current data in the database, were not awarded. (Give the award name, award type, and award year.)

=>

Query :

SELECT ra.award\_name,ra.award\_type,ra.award\_year

FROM raward ra

WHERE (ra.award\_name,ra.award\_type,ra.award\_year) NOT IN

(SELECT rpa.award\_name,rpa.award\_type,rpa.award\_year

FROM rprodaward rpa

UNION

SELECT rsa.award\_name,rsa.award\_type,rsa.award\_year

FROM rshowaward rsa

UNION

SELECT raa.award\_name,raa.award\_type,raa.award\_year

FROM ractoraward raa);

Cardinality: 55

11. Name all shows that are somehow associated with Disney. This means that if Disney 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.)

=>

Query :

SELECT rts.show\_name,rts.network\_id

FROM rtvshow rts,rnetwork rn,rdistributor rd

WHERE rts.network\_id=rn.network\_id

AND rts.distr\_name=rd.distr\_name

AND (rd.parent\_name='Disney'

OR rn.parent\_name='Disney')

UNION

SELECT rts.show\_name,rts.network\_id

FROM rtvshow rts,rsponsor rs,rsponsorby rsb

WHERE rsb.show\_num=rts.show\_num

AND rs.sponsor\_name=rsb.sponsor\_name

AND rs.parent\_name='Disney';

Result :

|  |  |
| --- | --- |
| SHOW\_NAME | NETWORK\_ID |
| 60 Minutes | CBS |
| Cagney&Lacey | CBS |
| Lou Grant | NBC |
| Mary T Moore | CBS |
| Maude | ABC |
| Phyllis | ABC |
| Rhoda | CBS |

Cardinality: 7

11-b. Name all shows that are somehow associated with Disney. This means that if Disney 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.)=>

Query :

SELECT rts.show\_name,rts.network\_id

FROM rtvshow rts,rnetwork rn,rdistributor rd

WHERE rts.network\_id=rn.network\_id

AND rts.distr\_name=rd.distr\_name

AND (rd.parent\_name='&&Enter\_parent\_name'

OR rn.parent\_name='&&Enter\_parent\_name')

UNION

SELECT rts.show\_name,rts.network\_id

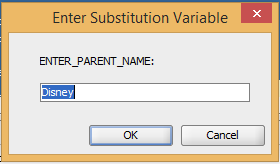
FROM rtvshow rts,rsponsor rs,rsponsorby rsb

WHERE rsb.show\_num=rts.show\_num

AND rs.sponsor\_name=rsb.sponsor\_name

AND rs.parent\_name='&Enter\_parent\_name';

Result:



|  |  |
| --- | --- |
| SHOW\_NAME | NETWORK\_ID |
| 60 Minutes | CBS |
| Cagney&Lacey | CBS |
| Lou Grant | NBC |
| Mary T Moore | CBS |
| Maude | ABC |
| Phyllis | ABC |
| Rhoda | CBS |

Cardinality : 7