

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

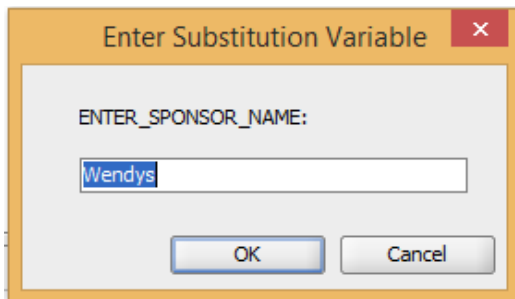
1-b. List the characters on shows sponsored by ____ (User input) _____. (Give the character name and show name.)

=>

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

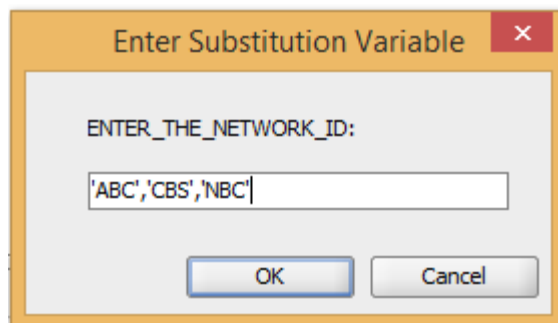
5-b. Name all agents who represent a producer of a show on one of the Big Three Networks ____ (User input) _____. (Give the agent's name and the producer's name.)

=>

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	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 Christoph
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 Christoph	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

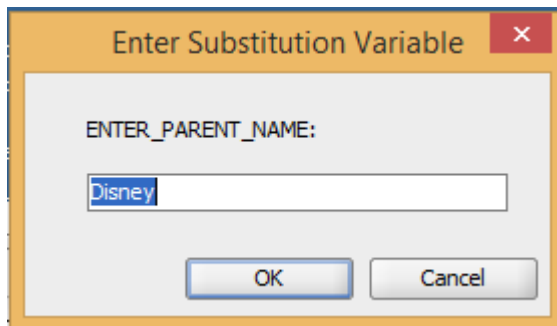
11-b. Name all shows that are somehow associated with Disney. This means that if Disney is a parent company for anything related to the show (sponsor, network, etc.), then you should list that show. (Give the show name and network.)

=>

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