```
1. Bars which sell Michelob Amber Bock or Budweiser
Query:
select bar
from sells
where sells.beer = "Michelob Amber Bock" or sells.beer = "Budweiser";
Result:
Britannia Arms
Cabana
Caravan
Club 175
Coconut Willie's Cocktail Lounge
Gecko Grill
Seven Bamboo
The Blank Club
The Shark and Rose
The B-Hive
2. Drinkers who like some beers other than Budweiser (they do not have to
like Budweiser)
Query:
select drinker
from likes
where beer <> 'Budweiser'
group by drinker;
Result:
Jesse
John
Mike
3. Beers other than Hefeweizen which are served by Gecko Grill Bar
Query:
select beer
from sells
where bar = 'Gecko Grill' AND beer <> 'Hefeweizen';
Result:
Budweiser
4. Bars who serve some beers which John likes
Query:
select distinct bar
from sells
where sells.beer in
       (select beer
        from likes
```

```
where drinker = 'John')
Or
select sells.bar
from sells, likes
where sells.beer = likes.beer AND likes.drinker='John'
Result:
Blue Tattoo
Britannia Arms
Cabana
Caravan
Club 175
Coconut Willie's Cocktail Lounge
Gecko Grill
Giza Hookah Lounge
Seven Bamboo
The Backbeat
The Blank Club
The Shark and Rose
5. Drinkers who frequent bars which serve Original Premium Lager Dog
Query:
select frequents.drinker
from frequents, sells
where frequents.bar = sells.bar and sells.beer = 'Original Premium Lager Dog'
Or
select distinct drinker
from frequents
where frequents.bar in
       (select bar
        from sells
        where sells.beer = 'Original Premium Lager Dog')
Result:
Bob
Erik
Herb
Jesse
John
Justin
Mike
Rebecca
Tom
Vince
```

```
6. Bars which are frequented by John or Rebecca but not by both of them
Query:
select distinct bar
from frequents
where bar IN (
    select distinct f.bar
    from frequents f
    where f.drinker = 'John' or f.drinker = 'Rebecca')
 and bar NOT IN(
   select distinct fl.bar
    from frequents f1, frequents f2
    where f1.bar = f2.bar and f1.drinker = 'John' and f2.drinker= 'Rebecca')
Result:
Caravan
Coconut Willie's Cocktail Lounge
Gecko Grill
7. Drinkers who frequent at least three bars
Query:
select drinker
from frequents
group by drinker
having count(bar) > 2
OR
select distinct fl.drinker
from frequents f1, frequents f2, frequents f3
where (f1.drinker = f2.drinker AND f2. drinker = f3.drinker) AND
      (f1.bar <> f2.bar AND f1.bar <> f3.bar AND f2.bar <> f3.bar)
Result:
Mike
Rebecca
8. Drinkers who frequent bars which sell some beer they like
Query:
select distinct frequents.drinker
from frequents, sells, likes
where frequents.bar = sells.bar AND sells.beer = likes.beer AND
likes.drinker = frequents.drinker
```

Result:

```
Jesse
John
Mike
9. Beers which are served by bars which John frequents
Query:
select distinct s.beer
from frequents f, sells s
where f.bar = s.bar and f.drinker = 'John'
select beer
from sells
where sells.bar IN
       (select bar
        from frequents
        where frequents.drinker = 'John')
Result:
Hefeweizen Doppelbock
Original Premium Lager Dog
Budweiser
10. Bars which serve some beers which John or Rebecca like and which are
cheaper than $5
Query:
Select distinct s.bar
from sells s, likes l
where s.beer = 1.beer and (1.drinker = 'John' OR 1.drinker = 'Rebecca') and
s.price < 5
OR
select distinct bar
from sells
where sells.price < 5 AND sells.beer IN
       (select beer
        from likes
        where likes.drinker = 'Rebecca' OR likes.drinker = 'John')
Result:
Club 175
Coconut Willie's Cocktail Lounge
Gecko Grill
```

Seven Bamboo

The Backbeat

The Shark and Rose

```
11. Bars which serve some beers which Mike likes or which John likes
Query:
Select distinct s.bar
from sells s, likes l
where s.beer = 1.beer and (1.drinker = 'John' OR 1.drinker = 'Mike')
OR
Select distinct bar
from sells
where sells.beer IN
       (select beer
        from likes
        where likes.drinker = 'Mike' OR likes.drinker = 'John')
Result:
A.P. Stump's
Blue Angel
Blue Tattoo
Britannia Arms
Cabana
Caravan
Club 175
Coconut Willie's Cocktail Lounge
Gecko Grill
Giza Hookah Lounge
Hedley Club
Seven Bamboo
The Backbeat
The Blank Club
The Shark and Rose
12. Drinkers who like both Hefeweizen and Killian's
Query:
select l1.drinker
from likes 11, likes 12
where 11.drinker = 12. drinker AND 11.beer = 'Hefeweizen' AND 12.beer =
"Killian's"
Result:
Null
13. List all bars, beers they sell and beer prices in euros
Query:
select bar, beer, price*0.9 AS Price in Euros
from sells
Result:
```

bar	beer		
Price_in_Euros			
A.P. Stump's	Hefeweizen	5.400	
Blue Angel	Hefeweizen Doppelbock	4.950	
Blue Angel	Original Premium Lager Dog	5.625	
Blue Tattoo	Killian's	5.400	
Britannia Arms	Budweiser	5.850	
Cabana	Budweiser	4.500	
Caravan	Budweiser	4.950	
Caravan	Original Premium Lager Dog	3.150	
Club 175	Budweiser	4.050	
Coconut Willie's Cocktail Lounge	Budweiser	2.925	
Eulipia	Hefeweizen Doppelbock	4.050	
Gecko Grill	Budweiser		
Giza Hookah Lounge	Stolichnaya Citrona		
Hedley Club	Hefeweizen		
Seven Bamboo	Budweiser		
The B-Hive	Michelob Amber Bock 4.5		
The Backbeat	Killian's 3.15		
The Blank Club	Budweiser 4.9		
The Shark and Rose	Budweiser	4.050	
The Shark and Rose	Original Premium Lager Dog	4.950	

14. Bars with names containing "The"

Query:

select name
from bars
where name like '%The%';

Result:

The B-Hive
The Backbeat
The Blank Club
The Shark and Rose

15. Drinkers who like Killian's and who also frequent Gecko Grill

Query:

select likes.drinker
from likes, frequents
where likes.drinker = frequents.drinker AND likes.beer = "Killian's" AND
frequents.bar = 'Gecko Grill'

Result:

None