SQL Queries II

CS 210 - Principles of Information and Data Management

1. Drinkers who like the most beers (highest number of beers) "sql SELECT DISTINCT drinker FROM Likes GROUP BY drinker HAVING count(*)=(SELECT count(*) as c1 FROM Likes GROUP BY drinker ORDER BY c1 DESC LIMIT 1 "

```
# drinker
'Mike'
```

2. Bars which sell most expensive Budweiser and are not frequented by Gunjan

```
SELECT DISTINCT s.bar

FROM

Sells s,
Frequents f,
(SELECT MAX(price) as MaxPrice FROM Sells WHERE beer='Budweiser') as mp

WHERE

s.beer='Budweiser'
AND s.price=mp.MaxPrice
AND f.drinker='Gunjan'
AND f.bar=s.bar;
```

3. Drinkers who frequent only bars which serve all beers they like

bar

4. Drinkers who frequent most popular bar (the one with highest count of drinkers)

```
LIMIT 1
          ) AS c
 WHERE f.bar = c.bar;
# drinker
'Bob'
'Erik'
'Herb'
'Jesse'
'Joe'
'John'
'Justin'
'Mike'
'Rebecca'
'Tom'
'Vince'
'Jeanie'
'Tatiana'
'Yuhan'
```

5. Precinct(s) which collected the least number of total votes by end of day of November 5th 2020

```
SELECT DISTINCT p1.precinct
FROM Penna p1
WHERE p1.Timestamp LIKE '2020-11-05 %'
GROUP BY precinct
HAVING MAX(p1.totalvotes)=(
    SELECT MAX(totalvotes) as t2
    From Penna as p
    WHERE p.Timestamp LIKE '2020-11-05 %'
    GROUP BY p.precinct
    ORDER BY t2 ASC
    LIMIT 1
);
```

```
# precinct
'Franconia 2'
```

6. Which precincts did Trump win by more than 100 votes in 2020

```
# Result
'043 W BRANDYWINE W'
'060 W CALN 1'
'061 W CALN 2'
'165 E COVENTRY 2'
'215 ELK'
'220 ELVERSON'
'235 W FALLOWFIELD'
'290 HIGHLAND'
'295 HONEY BROOK BORO'
'300 HONEYBROOK TWP 1'
'301 HONEYBROOK TWP 2'
'335 LONDONDERRY'
'380 W NANTMEAL'
'405 EAST NOTTINGHAM EAST'
'406 EAST NOTTINGHAM WEST'
'410 W NOTTINGHAM'
'430 LOWER OXFORD W'
'435 UPPER OXFORD'
'545 W SADSBURY'
'705 WARWICK W'
'26-01'
'26-02'
'26-03'
'26-04'
```

```
'26-05'
'26-06'
'26-07'
'26-09'
'39-36'
'39-41'
'45-01'
'45-03'
'45-04'
'45-05'
'45-20'
'45-23'
'45-25'
'57-13'
'57-14'
'57-17'
'58-04'
'58-21'
'58-33'
'58-35'
'58-39'
'58-41'
'63-03'
'63-17'
'65-01'
'65-02'
'65-07'
'66-06'
'66-09'
'66-14'
'66-29'
'66-34'
'66-36'
'66-43'
'66-45'
```

7. Has Trump ever led the total vote (for any of the timestamps)? (Return "Yes he did on <timestamp>" or "No he never did".