

--- 1 ---

```
SELECT *  
FROM college;
```

--- WHERE ---

--- 2 ---

```
SELECT name_full, city  
FROM college  
WHERE state = 'TX';
```

--- 3 ---

```
SELECT park_name, city  
FROM park  
WHERE state = 'GA';
```

--- 4 ---

```
SELECT player_id, team_id  
FROM manager  
WHERE year = 1988;
```

--- DISTINCT ---

--- 5 ---

```
SELECT DISTINCT state  
FROM college;
```

--- 6 ---

```
SELECT count(DISTINCT state)  
FROM college;
```

--- 7 ---

```
SELECT DISTINCT city  
FROM park;
```

--- COUNT ---

--- 8 ---

```
SELECT count(park_id)  
FROM park  
WHERE city = 'Baltimore';
```

--- AND/OR ---

--- 9 ---

```
SELECT *
FROM   player_award_vote
WHERE  award_id = 'MVP'
      AND year = 1911;
```

--- 10 ---

```
SELECT DISTINCT park
FROM   team
WHERE  team_id = 'NY1';
```

--- 11 ---

```
SELECT count(DISTINCT park)
FROM   team
WHERE  team_id = 'NY1';
```

--- GROUP BY ---

--- 12 ---

```
SELECT   count(park_id), state
FROM     park
GROUP BY state;
```

--- 13 ---

```
SELECT   count(park_id), city, state
FROM     park
GROUP BY city;
```

--- 14 ---

```
SELECT   count(college_id), state
FROM     college
GROUP BY state;
```

--- 15 ---

```
SELECT DISTINCT player_id
FROM   player_award_vote
WHERE  award_id = 'MVP'
      AND points_won = 1;
```

--- 16 ---

```
SELECT   count(DISTINCT team_id), league_id
FROM     manager
WHERE    l <= 5
      OR  plyr_mgr = 'Y'
GROUP BY league_id;
```

**--- ORDER BY ---**

**--- 17 ---**

```
SELECT    *
FROM      park
ORDER BY  state;
```

**--- 18 ---**

```
SELECT    count(DISTINCT city) AS city_n, state
FROM      park
GROUP BY  state
ORDER BY  city_n DESC;
```

**--- JOINS ---**

**--- 19 ---**

```
SELECT    year, team_id, park, park_name, city
FROM      team
LEFT JOIN  park
          ON park = park_name
WHERE     year = 2000
ORDER BY  city;
```

**--- SUBQUERIES ---**

**--- 20 ---**

```
SELECT    a.team_id, a.park, b.sum_salary
FROM      team AS a
LEFT JOIN  ( SELECT    sum(salary) AS sum_salary, team_id, year
              FROM      salary
              WHERE     year = 2000
              GROUP BY  team_id
              HAVING    sum_salary > 40000000
            ) AS b
          ON a.team_id = b.team_id
WHERE     a.year = 2000
ORDER BY  b.sum_salary DESC;
```

ALTERNATIV MIT INNER JOIN:

```
SELECT    t.team_id, t.park, sum(s.salary) AS summe
FROM      team AS t
INNER JOIN salary AS s
ON        t.team_id = s.team_id
          AND t.year = 2000
          AND s.year = 2000
GROUP BY  t.team_id
HAVING    summe > 40000000
ORDER BY  summe DESC
```

--- 21 ---

```
SELECT      a.year, avg(a.total) AS average_team_salary
FROM        ( SELECT      p.year
                , p.team_id_winner
                , sum(s.salary) as total
            FROM          postseason AS p
            LEFT JOIN     salary AS s
            ON            p.year = s.year
                AND p.team_id_winner = s.team_id
            GROUP BY     p.year, p.team_id_winner
        ) AS a
GROUP BY    a.year
ORDER BY    average_team_salary DESC
LIMIT      5
```

ACHTUNG: MANCHE TEAMS WERDEN MEHRFACH BZW AUFSUMMIERT VERWENDET!

--- 22 ---

```
SELECT      year, avg(total) AS average
FROM        ( SELECT      postseason.year, team_id_winner,
                sum(salary) as total
            FROM          postseason
            LEFT JOIN     salary
            ON            postseason.year = salary.year AND
                        team_id_winner = team_id
            GROUP BY     postseason.year, team_id_winner)
GROUP BY    year
HAVING      average IS NOT NULL
ORDER BY    average ASC
LIMIT      5;
```