

Hacker Rank SQL Questions

6 solutions to SQL questions from hacker rank. From easy to hard.

Question 1:

Link to question:

<https://www.hackerrank.com/challenges/more-than-75-marks/problem?isFullScreen=true>

Solution:

```
SELECT Name
FROM STUDENTS
WHERE marks > 75
ORDER BY RIGHT(Name, 3), ID ASC;
```

Question 2:

Link to question:

<https://www.hackerrank.com/challenges/the-blunder/problem?isFullScreen=true>

Solution:

```
SELECT CEIL(AVG(Salary) - AVG(REPLACE(Salary, '0', '')))
FROM EMPLOYEES;
```

Question 3:

Link to question:

<https://www.hackerrank.com/challenges/the-report/problem?isFullScreen=true>

Solution:

```
SELECT
(CASE
    WHEN g.Grade >= 8 THEN s.Name
    ELSE NULL
END
)
, g.Grade, s.marks
FROM Students AS s
INNER JOIN Grades as g ON (s.marks BETWEEN g.Min_Mark AND g.Max_Mark)
ORDER BY g.grade DESC,
(CASE
    WHEN s.Name = NULL THEN s.marks
    ELSE s.Name
END)
```

Question 4:

Link to question:

<https://www.hackerrank.com/challenges/placements/problem?isFullScreen=true>

Solution:

```
SELECT s.Name
FROM Students AS s
inner join Friends AS f ON s.ID = f.ID
inner join Packages AS p1 ON s.ID = p1.ID
inner join Packages AS p2 ON f.Friend_ID = p2.ID
WHERE p1.salary < p2.salary
ORDER BY p2.salary ASC
```

Question 5:

Link to question:

<https://www.hackerrank.com/challenges/weather-observation-station-20/problem?isFullScreen=true>

Solution:

```
WITH sorted_rows AS
(SELECT LAT_N, (SELECT COUNT(*) FROM STATION) AS total_rows,
ROW_NUMBER() OVER(ORDER BY LAT_N) AS row_num
FROM STATION
ORDER BY LAT_N)

SELECT ROUND(AVG(LAT_N), 4)
FROM sorted_rows
WHERE row_num IN (CEIL(total_rows/2), FLOOR(total_rows/2 + 1))
```

Question 6:

Link to question:

<https://www.hackerrank.com/challenges/symmetric-pairs/problem?isFullScreen=true>

Solution:

```
WITH row_numbered AS(
SELECT X, Y, ROW_NUMBER() OVER() as row_num FROM functions
)

SELECT DISTINCT r1.X, r1.Y
FROM row_numbered r1
INNER JOIN row_numbered r2
ON (r1.X = r2.Y AND r2.X = r1.Y and r1.row_num != r2.row_num)
WHERE r1.X <= r1.Y
ORDER BY r1.X ASC
```