



100 DAYS OF SQL

Day 2 – Advanced Select with CASE statement

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Solved “**Type of Triangle**” question on the HackerRank

Used: MySQL

Question link: <https://www.hackerrank.com/challenges/what-type-of-triangle/problem>

Language: MySQL [Open in editor](#)

```
1  /*
2  Enter your query here.
3  */
4  SELECT
5  (CASE
6      when A + B <= C OR A + C <= B OR B + C <= A then "Not A Triangle"
7      when A = B and B = C then "Equilateral"
8      when A = B or B = C or A = C then "Isosceles"
9      else "Scalene"
10 end) as type
11 FROM TRIANGLES;
```

This is the query I wrote in HackerRank website

Sample input table - TRIANGLES

A	B	C
20	20	23
20	20	20
20	21	22
13	14	30

Output of query on test case in Hackerrank

Test case 0		Expected Output
	1	Equilateral
	2	Equilateral
	3	Isosceles
	4	Equilateral
	5	Isosceles
	6	Equilateral
	7	Scalene
	8	Not A Triangle
	9	Scalene
	10	Scalene
	11	Scalene
	12	Not A Triangle
	13	Not A Triangle

Local Implementation by creating the table TRIANGLES

Input – TRIANGLES table:

A	B	C
20	20	23
20	20	20
20	21	22
13	14	30

Output:

Result Grid		Filter Rows:
	type	
▶	Isosceles	
	Equilateral	
	Scalene	
	Not A Triangle	