<https://platform.stratascratch.com/coding/10308-salaries-differences?code_type=1>

QUESTION1. Write a query that calculates the difference between the highest salaries found in the marketing and engineering departments. Output just the absolute difference in salaries

**db\_employee**

Preview

id:intfirst\_name:varcharlast\_name:varcharsalary:intdepartment\_id:intemail:datetime

**db\_dept**

Preview

id:intdepartment:varchar

SOLUTION :

--1 FOR ENGINNERING AND 4 FOR MARKETING

WITH DEP\_MAXSAL AS

(SELECT DEPARTMENT\_ID,

MAX(SALARY) AS MXSAL

FROM DB\_EMPLOYEE

--WHERE DEPARTMENT\_ID IN (1,4)

GROUP BY DEPARTMENT\_ID

)

SELECT --a.\*,

b.DEPARTMENT\_ID AS BDEPT\_ID,

b.MXSAL AS BMXSAL,

ABS(a.MXSAL-b.MXSAL) AS DIFFERENCE\_SAL

FROM DEP\_MAXSAL a JOIN DEP\_MAXSAL b ON a.DEPARTMENT\_ID =1

AND b.DEPARTMENT\_ID=4