Part 1 a

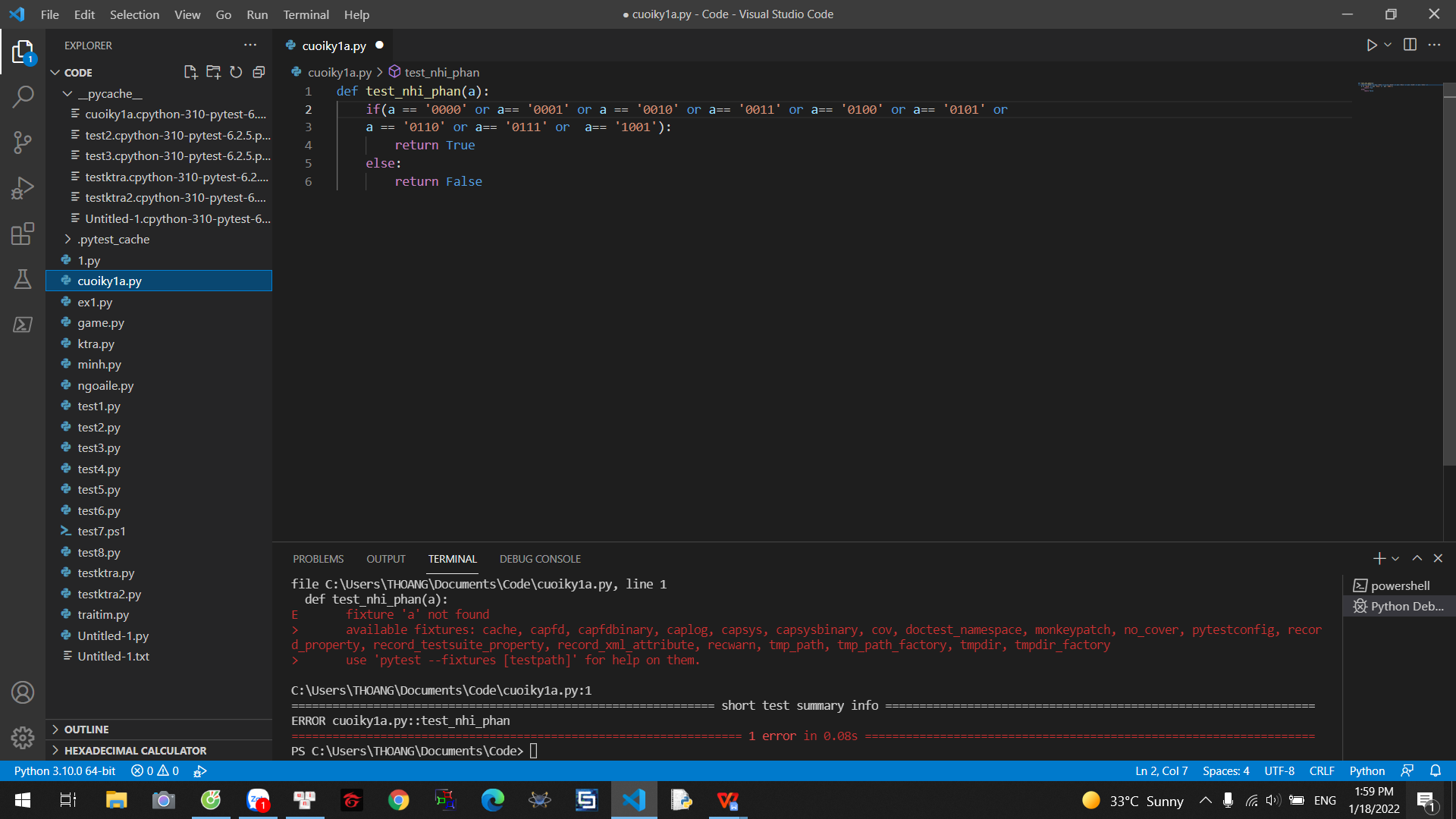
**def test\_nhi\_phan(a):**

**if(a == '0000' or a== '0001' or a == '0010' or a== '0011' or a == '0100' or a== '0101' or a == '0110' or a== '0111' or a == '1001'):**

**return True**

**else:**

**return False**



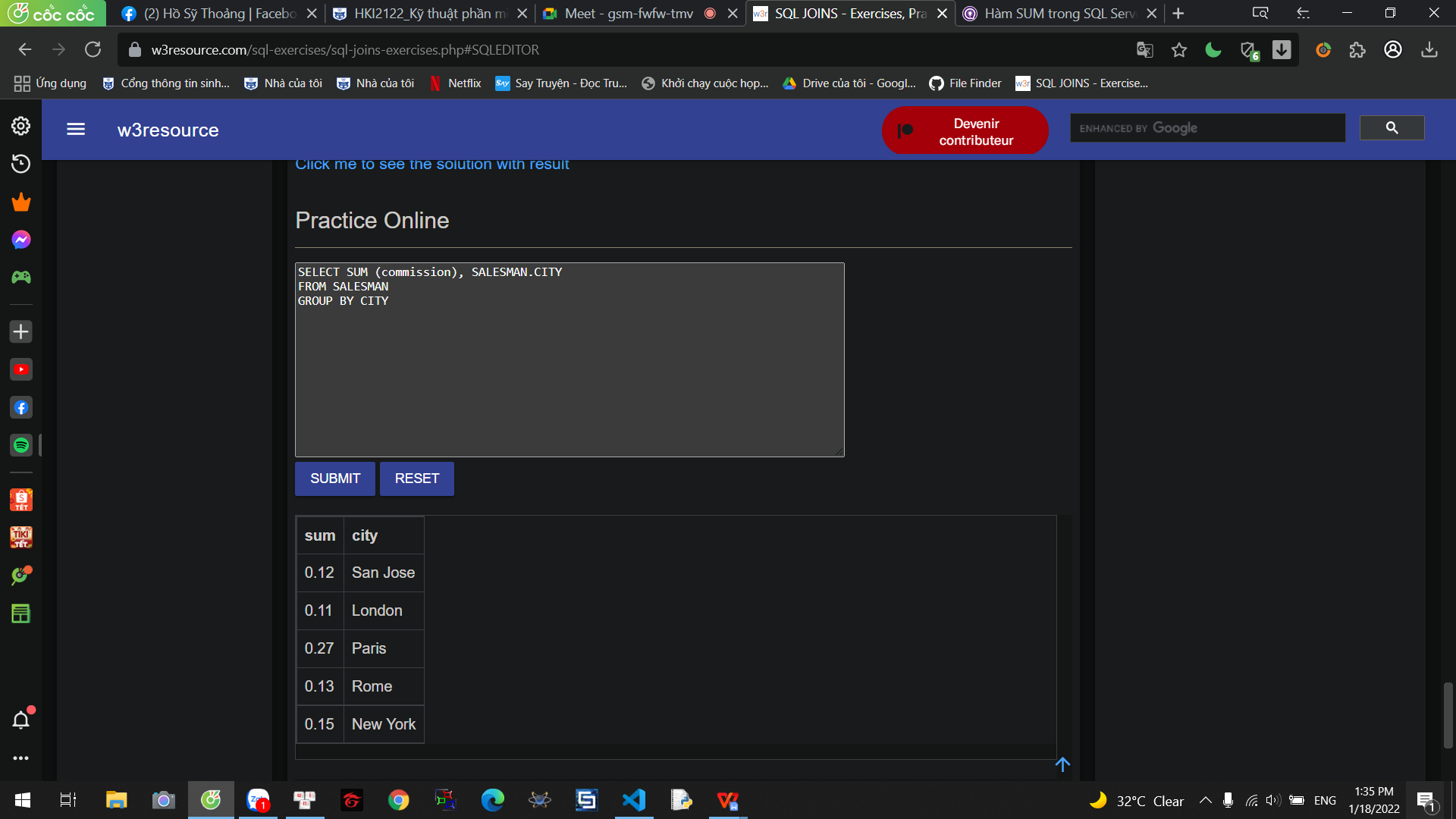
**Part2.**

Question 2

-SELECT SUM (commission), SALESMAN.CITY

FROM SALESMAN

GROUP BY CITY



**-SELECT a.cust\_name AS "Customer Name",**

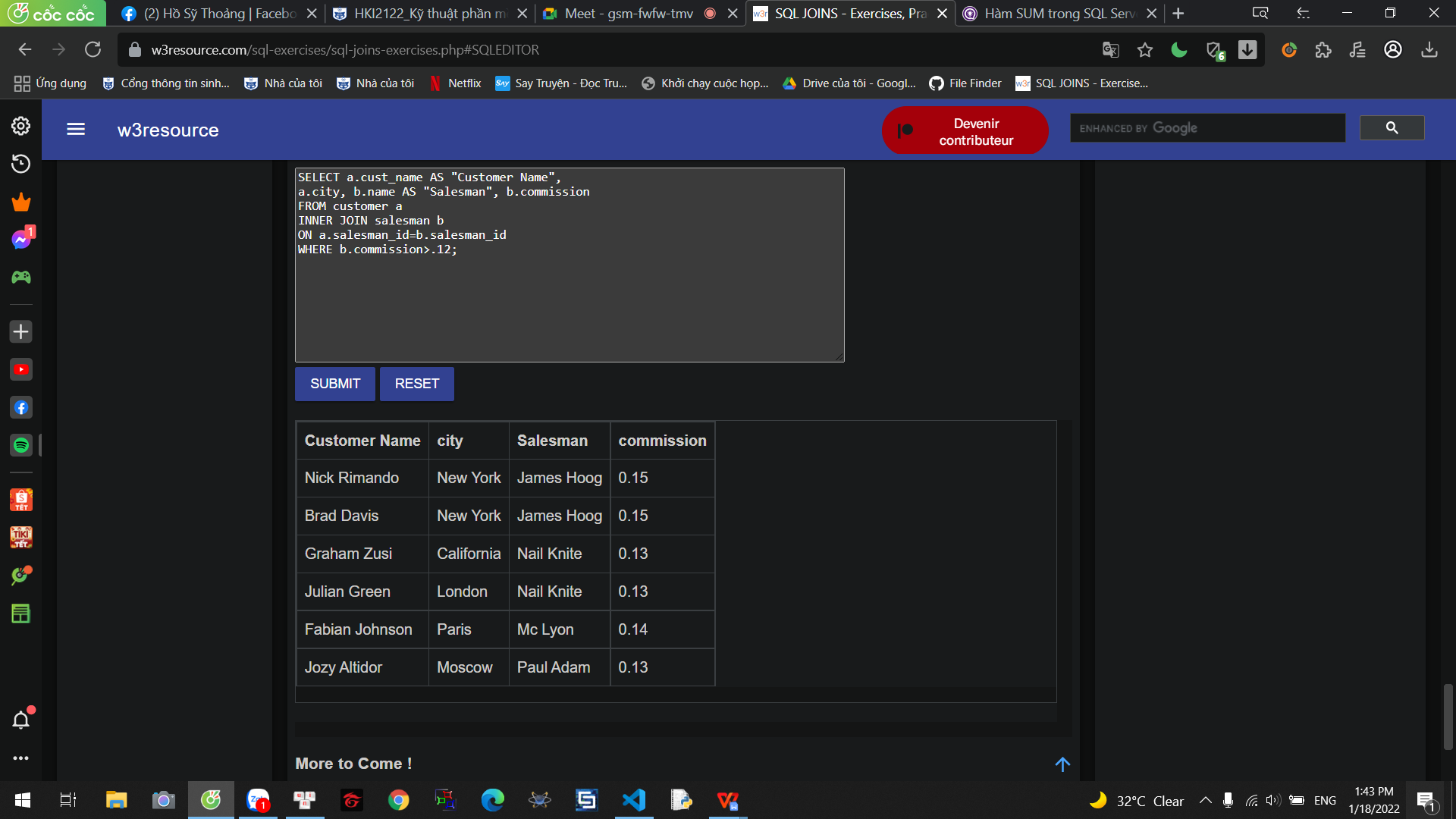
**a.city, b.name AS "Salesman", b.commission**

**FROM customer a**

**INNER JOIN salesman b**

**ON a.salesman\_id=b.salesman\_id**

**WHERE b.commission>.12;**



PART2 1

**import math**

**class Real\_Number:**

**def \_\_init\_\_(self, real\_number):**

**self.real\_number = real\_number**

**def module(self):**

**return abs(self.real\_number)**

**class Complex\_Number(Real\_Number):**

**def \_\_init\_\_(self, real\_number, image\_number):**

**super().\_\_init\_\_(real\_number)**

**self.image\_number = image\_number**

**def module(self):**

**return math.sqrt((self.real\_number \* 2) + (self.image\_number \* 2))**

**num = Complex\_Number(10, 3)**

**print(num.module())**

