TODO 3: Python

Name: **ID#:**

You are required to build python program that calculate the minimum distance between two groups of points, the program must contain the and behave as follows:

1. Each point has x-coordinate and y-coordinate, you should implement it using **class and module (OOP)**.
2. Create **two groups** of points, each group has **five points**.
3. The **x-coordinate** and **y-coordinate** for each point must be **user input**.
4. Create a **function** that calculate the distance between each point from group1 and group2, this function will take **two groups as arguments**.
   - ❖ Distance = $\sqrt{(X2 - X1)^2 - (Y2 - Y1)^2}$
5. Create **another function** that will take the **distances** and return the **minimum distance**.

Good Luck 😊