## Task

Attached text file contains information of shapes.

Following picture shows a sample shape which has 5 points defined by X and Y coordinates. A shape is defined by a list of points and it can have any number of points.
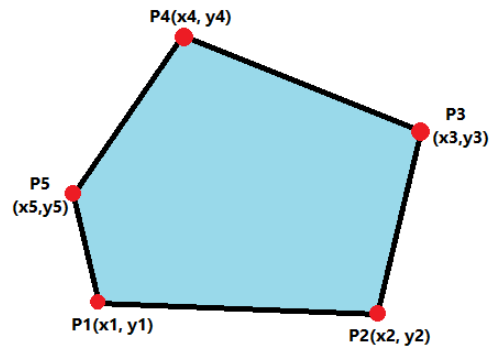


*Figure 1: A Shape*

Following picture shows a sample line from the attached text file. Each line contains information of a shape.



*Figure 2: A sample record from the text file*

You should write a program to read the text file and print the following to the output

1. Calculate the area of each shape and print on the console along with shape name
2. Print overlapping shape names on the console