In The Name Of God

( Problem set 11 - Pure Structure )

1. Write a program that gets 3 coordinates from the user and determines if we can create a triangle with those coordinates or not .( cord : x & y )

Typedef Struct cord {

Int x , y;

}Cordination ;

1. Write a program that the user writes a word in english and the program shows its synonym in persian ( a dictionary ) { you have to define an array of pointers to structures }
2. Write a program that gets 4 coordinates as 4 points that make a rectangle and determines the surface of the rectangle.
3. Write a program that gets ” n “ as input (number of students ) and gathers the information of each student as below :

struct student{

Char name[20] ;

Char last\_name[20];

Int age ;

Int grades[20];

};

Void main(void){

….

Struct student all\_students[n];

….

}

The program should have the following abilities :

1 - calculate the average of the scores.

2-sort the students by their average.