Readme

Rum main.cpp

Polygon.h : Contains all class definitions and function prototypes.

Polygon.cpp: Contains all the function definitions.

main.cpp : Contains the instantiation of the classes and test case implementations.

Sample Test case:

Rectangle coordinates

Lower left coordinates : (-2,-1)Upper right coordinates : (5,2)

Area : 50

Triangle coordinates

(1,1),(-2,4),(-2,-2)

Area: 9

Sample execution

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Show the Project navigator

    Polygon > Polygon >  printAttributes(Polygon *p)

    Polygon →  printAttributes(Polygon *p)
                                                                                                                                                      // main.cpp
// Polygon
// Created b
// Copyright
     ▼ Polygon
                                                                                                                                                                    Created by Sumitha on 11/19/16.
Copyright © 2016 Sumitha. All rights reserved.
      main.cpp
                     polygon.cpp
                     h polygon.hpp
       ▶ Enducts
                                                                                                                                                        void printAttributes(Polygon *p)
{
                                                                                                                                                                   cout << "Polygon's area : " << p->area() << endl;
cout << "Polygon's points are :\n";
const PointArray* pl = p->getPoints();
for(int i = 0; i < pl->getSize();i++)
                                                                                                                                                                                    cout << "(" << pl->getY() << ", " << pl->getY() << ")\n";
                                                                                                                                                    int Polygon :: count=0;
int main()
{
                                                                                                                                                                     int lowerLeft_x, lowerLeft_y, upperRight_x, upperRight_y;
                                                                                                                                                                     cout << "Enter the lower left and upper right coordinates of rectangle as integers separated by space : ";
                                                                                                                                                                      cin>>lowerleft x>>lowerleft v>>unnerRight x>>unnerRight v:
                                                                                                                                          Enter the lower left and upper right coordinates of rectangle as integers separated by space: -6 -2 4 3 Polygon's area: 50 Polygon's points are: (-6, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, -2) (4, 
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