LAB EXERCISE 2 (SOLUTION)

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1 //SABRINA HENG WEI QI
 3 #include<iostream>
4 #include<cmath>
 5 using namespace std;
 void calculate_Distance(int = 1,int = 3,int = 2,int = 6,int = 5,int = 4); //function prototype
void display_Table(int = 1,int = 3,int = 2,int = 6,int = 5,int = 4);
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12
           string first = "A(1,3)", second = "B(2,6)", third = "C(5,4)"; //using string datatype cout << first << "," << second << ",and " << third << endl;
13
           display_Table(); //calling function
calculate_Distance();
14
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17
           return 0:
18 }
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           for(int j=0;j<row;j++){ //using for loop to print each row</pre>
                if(j==0){
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                     cout << "\t"<< x << "\t" << y << endl;
27
28
                }else if(j==1){
29
                     cout << a << "\t" << x1 << "\t" << y1 << endl;
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31
                    cout << b << "\t" << x2 << "\t" << y2 << endl;
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                     cout << c << "\t" << x3 << "\t" << y3 << endl << endl;
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38 | 39
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41 ₱ void calculate_Distance(int x1,int y1,int x2,int y2,int x3,int y3){
42
           double AB, AC, BC;
43
          AB = sqrt(pow((x2 - x1),2) + pow((y2 - y1),2)); //distance formula cout << "AB = " << AB << endl; AC = sqrt(pow((x3 - x1),2) + pow((y3 - y1),2));
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46
           cout << "AC = " << AC < endl;
BC = sqrt(pow((x3 - x2),2) + pow((y3 - y2),2));
cout << "BC = " << BC << endl;
47
48
50 51 }
```