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//Name: compare.cpp
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/*Synopsis: This program read two points (x1,y1) and (x2,y2) and find the
relative location of (x2,y2) with (x1,y1). */
#include <iostream>
using namespace std;
int main()
 double x1, y1; //coordinate of (x1,y1)
 double x2, y2; //coordinate of (x2,y2)
cout << "Enter coordinates of the first point (2 values): ";</pre>
cin >> x1 >> v1;
cout << "Enter coordinates of the second point (2 values): ";</pre>
cin >> x2 >> y2;
if (x1 < x2 && y1 < y2) {
  cout << "Point (" << x2 << "," << y2 << ") is above and right of point
     << x1 << "," << y1 << ")." << endl;}
else if (x1 < x2 \&\& y1 > y2){
   cout << "Point (" << x2 << "," << y2 << ") is below and right of point
     << x1 << "," << y1 << ")." << endl;}
else if (x1 < x2 \&\& y1 == y2){
   cout << "Point (" << x2 << "," << y2 << ") is right of point ("
     << x1 << "," << y1 << ")." << endl;}
else if (x1 > x2 \&\& y1 < y2) {
  cout << "Point (" << x2 << "," << y2 << ") is above and left of point
     << x1 << "," << y1 << ")." << endl;}
else if (x1 > x2 \&\& y1 > y2){
   cout << "Point (" << x2 << "," << y2 << ") is below and left of point
     << x1 << "," << y1 << ")." << endl;}
else if (x1 > x2 \&\& y1 == y2) {
   cout << "Point (" << x2 << "," << y2 << ") is left of point (" \,
     << x1 << "," << y1 << ")." << endl;}
else if (x1 == x2 \&\& y1 < y2){
   cout << "Point (" << x2 << "," << y2 << ") is above point ("
     << x1 << "," << y1 << ")." << endl;}
else if (x1 == x2 \&\& y1 > y2) {
   cout << "Point (" << x2 << "," << y2 << ") is below point ("
```