Implement class **Coordinate** that contains 2 attributes x and y of type int. x, y are two coordinates in Oxy.

* Implement **constructor** that takes two parameters x, y and assigns them to corresponding attributes x, y.
* Implement methods: **setX, setY, getX, getY**. Students should choose the appropriate returned type for these methods.
* Implement method **distanceTo(const Coordinate&)** to calculate the Manhattan distance from this coordinate to the passed one. The Manhattan distance is calculated by:

***d = abs(x1-x2) + abs(y1-y2)***.

**For example:**

| **Test** | **Input** | **Result** |
| --- | --- | --- |
| 1 | 2.3 4.5 .314 12 | 2  13.886  13.886  13.886 |