

Pseudocode

Algorithm Coordinate:

```
xCoordinate;  
yCoordinate;  
getSquaredDistance(a, b):  
    return distanceSquared;  
getDistance(a, b):  
    return Math.sqrt(getSquaredDistance(a,b));
```

Algorithm PairofCoordinates:

```
firstCoordinate a;  
secondCoordinate b;  
compareTo(other):  
    return this.squaredDistance < other.squaredDistance;
```

Algorithm ClosestCoordinatePairs(Coordinates Point, int m):

```
for(i = 1 to i = number):  
    for (j = i+1 to j = number):  
        PairofCoordinates.add(new(Point[i], Point[j]));  
  
collections.sort(PairofCoordinates); // sorting algorithm  
for(i = 1 to i = m):  
    print(pair[i].firstCoordinate, pair[i].secondCoordinate, pair[i].distance);
```