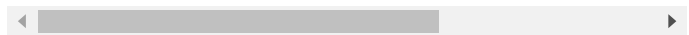


Assignment: Nearby elements

Your task is to find and return the nearby elements from a two-dimensional `int` array. Let's work here with this example data array:

java

```
int[][] multi = new int[][]{
    { 2, 0, 4, 1241, 12, 5, 11, 1116 },
    { 1, 3, 5, 7 },
    { 321, 320, 32, 3, 41241, -11, -
};
```



The data array should be kept private. Write a method for the class which

- can access the data array
- has 3 input arguments: `x` , `y` – the position coordinates of a target element in the array (starting from `0`) and `range` – another `int` value
- returns an `int` array with the nearby elements of the target at `[x, y]` within the maximum "distance" of `range` (excluding the target element itself).

The signature of this method is:

java

```
public int[] nearby(int x, int y, int range)
```



Example answers for the above data:

- `nearby(0, 2, 2)` would result: `[2, 0, 1241, 12]`
- `nearby(1, 0, 1)` would result: `[3]`

- `nearby(1, 3, 5)` would result: `[1, 3, 5]`

Base repo

<https://classroom.github.com/a/FG00ZgjY>

Materials:

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in Java SE