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Thread: [Need Help W/ This Bit of Code Replacing Data Within a 2D Array Not Updating](#)

J. McCarthy - October 13, 2017, 1:12 pm

Okay so basically I have a 2D array of size $n \times n$

It's fully populated and I'm trying to wipe out an entire row/column for each position within $1 \rightarrow n$ that I visit. Problem is that it's getting hung up and re-visiting a position that should have been replaced with a zero after the third iteration. I don't get why in my code it's not recognizing it as a zero in the loop iteration though?

Any thoughts?

I'm sure it's a stupid mistake in my loop just can't find it.

Code //~~~~~ Start 2D Array Cost Function

```
int DistToSave = 10000; //Stores The Distance You'll Save (Greedy Distance)
```

```
int DistToSaveIndex=999; //999 For QA Test
```

```
int RowIndex = 0;
```

```
System.out.println("N IS EQUAL TO " + n);
```

```
for(int TimesToRun = 0; TimesToRun < 2; TimesToRun++){ //Times To Run Loop
```

```
    //Greedy//
```

```
    for(int Counter = 0; Counter < n; Counter++) {
```

```
        if(DataArray[RowIndex][Counter] != 0) {
```

```
            if(DataArray[RowIndex][Counter] < DistToSave) {
```

```
                DistToSave = DataArray[RowIndex][Counter]; //Set Current Smallest Value To
```

```
DistToSave
```

```
                DistToSaveIndex = Counter;
```

```
            }
```

```
        }
```

```
    }
```

```
    AnswerArray[0][TimesToRun] = DistToSave;
```

```
    AnswerArray[1][TimesToRun] = DistToSaveIndex;
```

```
    System.out.println("The Smallest Value In Row is " + DistToSave + " Index is " +  
DistToSaveIndex);
```

```
    for(int Counter = 0; Counter < n; Counter++) {
```

```
        DataArray[RowIndex][Counter] = 0;
```

```
        DataArray[Counter][RowIndex] = 0;
```

```
    }
```

```
    RowIndex = DistToSaveIndex; //Move To Next Location Using Index
```

```
} //End Times To Run Loop
```

```

//PRINT OUT 2D ARRAY
for(int s = 0; s<n; s++){
    for(int w = 0; w<n; w++)
    {
        System.out.print(DataArray[s][w] + " ");
    }
    System.out.println();
}

//Print Out Answer Array
System.out.println();
System.out.println();
System.out.println();
System.out.println("Top Is Distance To Travel & Bottom Is Index of Visited Node");
System.out.println();

for(int s = 0; s<2; s++){
    for(int w = 0; w<n; w++)
    {
        System.out.print(AnswerArray[s][w] + " ");
    }
    System.out.println();
}
System.out.println();
System.out.println();
//END PRINT OUT 2D ARRAY

```

//~~~~~ End 2D Array Cost Function
I deleted my counter reset on accident

Never mind ^_^