Week 09: Programming Assignment 3

Due on 2025-03-27, 23:59 IST Complete the code to perform a 45 degree anti clock wise rotation with respect to the center of a 5 × 5 2D Array as shown below:

00100 00100 11111 00100 00100

OUTPUT:

<mark>Note the following points carefully:</mark> 1. Here, instead of 0 and 1 any character may be given. 2. The input and output array size must be of dimension 5 × 5 and nothing else.

00100 10000\n 10000\n	Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1 00100 01000\n 00100\n 00100\n 00100\n 00100\n 00100\n 00100\n 00100\n 00010\n 00010\n 00001\n	Test Case 1	00100 00100 00100	01000\n 00100\n 00010\n	01000\n 00100\n 00010\n	Passed

The due date for submitting this assignment has passed. 1 out of 1 tests passed. You scored 100.0/100.

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Assignment submitted on 2025-03-25, 21:14 IST
Your last recorded submission
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```
char arr[][] = new charge; | see | s
                                                                                                                                                  }else{
System.out.print("Wrong Input!");
}

                                                                                                                    }// Keeping center same
tra[2][2] = arr[2][2];
                                                                                                                                                   System.out.println();
Sample
```

}else{
System.out.print("Wrong Input!");
System.exit(0);
} String inner[]={"11","21","31","32",
"33","23","13","12"}; // Transform inner portion
for(int k=0; k<inner.length; k++){
 char indices[]=inner[k].tocharArray();
 int a = Integer.parseInt(string.valueOf(indices[0]));
 if (a=i && b==j drseInt(string.valueOf(indices[1]));
 if(k=7){k=0};
 else (k=i);
 indices[inter][k].tocharArray();
 indices[inter][k].tocharArray();
 b = Integer.parseInt(String.valueOf(indices[0]));
 b = Integer.parseInt(String.valueOf(indices[1]));
 tra[a][b] = arr[i][j];
} // Keeping center same tra[2][2] = arr[2][2]; /
// Print the transformed output
for(int i=0;i<5;i++){
 for(int j=0;j<5;j++){
 System.out.print(tra[i][j]);
 }
}</pre> System.out.println();