Question Transpose / rotate by 90 of a bc of a g anslistis = annlystis; Athort wring extranspur.

Of a Bc

fon(1-0+0 m)?

fon(3-0+0 m)?

b

int temp= antistis;

antistis= antistis;

antistis= deupo J=1 Rotate 90

for (i-o-n) g arr Cis Cis I carlis Cis aufijejj= aufjlij for (i=0 ton)?

for (i=0 ton)?

for (i=0 ton)?

Suap(i,5,5,i); 21 02 Og

```
public static void transpose(int[][] arr){
    for(int i=0;i<arr.length;i++){
        for(int j=0;j<arr[0].length;j++){</pre>
            if(j<=i){
              r int temp = arr[i][j];
                arr[i][j]= arr[j][i];
                arr[j][i]= temp;
public static void reverse(int[][] arr){
    int lo =0;
    int hi=arr[0].length-1;
    while(lo<hi){
    for(int i=0;i<arr.length;i++){</pre>
            int temp= arr[i][lo];
            arr[i][lo]= arr[i][hi];
            arr[i][hi]= temp;
        lo++;
        hi--;
```

C

```
9= 10 array -> 20 array

for (2 3 4 5 6 7 8 9

*3 3x2

[1 2 3 ]

[1 2 3 ]

[1 2 8 9]

ALIES an = mu int[p3[g]

K=0

For (into p)?

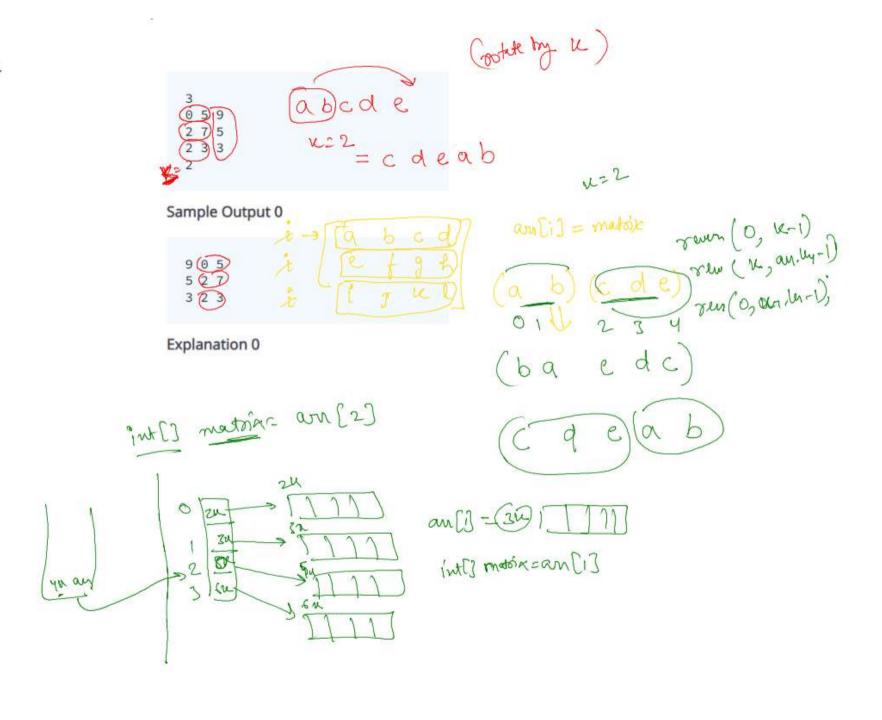
for (into p)?

ansize = Arra(k)

4
```

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for(int i =0;i<n;i++){
        arr[i] = scn.nextInt();
    }
    int p = scn.nextInt();
    int q = scn.nextInt();
    if(p*q != arr.length){
        System.out.println("conversion to 2d array is not possible");
        return;
    1
    int[][] ans = new int[p][q];
    int k = 0;
    for(int i=0;i<p;i++){
        for(int j=0;j<q;j++){
            ans[i][j]= arr[k];
            k++;
    }
```

Puy



```
int k = scn.nextInt();
    for(int i=0;i<n;i++){
        // int[] matrix = arr[i];
        reverse(arr[i],0,k-1);
        reverse(arr[i],k,n-1);
        reverse(arr[i],0,n-1);
    }
    for(int i=0;i<n;i++){
        for(int j=0;j<n;j++){
            System.out.print(arr[i][j]+" ");
        System.out.println();
    }
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your
public static void reverse(int[] arr, int lo, int hi){
    while(lo<hi){
        int temp = arr[lo];
        arr[lo] = arr[hi];
        arr[hi]=temp;
        lo++;
        hi--;
    }
```