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3<sup>rd</sup> Answer

```
1  import java.util.*;
2
3  class Main
4  {
5      public static int[] remove(int[] x, int key)
6
7          List<Integer> result = new ArrayList<>();
8
9          for (int y: x) {
10             if (y != key) {
11                 result.add(y);
12             }
13         }
14
15         return result.stream()
16             .mapToInt(Integer::intValue)
17             .toArray();
18     }
19
20     public static void main(String[] args) {
21         int[] x = { 5, 3, 6, 2, 5, 6, 1, 4};
22         int key = 1;
23
24         x = remove(x, key);
25         System.out.println
26             ("Author:S.NITHIN\nSAP ID:51834789");
27         System.out.println
28             (Arrays.toString(x));
29     }
30 }
```

× Terminal



```
Author:S.NITHIN
SAP ID:51834789
[5, 3, 6, 2, 5, 6, 4]
```

```
Process finished.
```

4<sup>th</sup> Answer

```
1 public class Main
2 {
3     public static void main(String[] args)
4     {
5         int i,j,k;
6         for(i=1;i<=5;i++)
7         {
8             for(j=5;j>i;j--)
9             {
10                System.out.print(" ");
11            }
12            if(i%2!=0)
13            {
14                for(j=1,k=1;j<=2*i-1;j++)
15                {
16                    if(j<i)
17                    {
18                        System.out.print(k);
19                        k++;
20                    }
21                    else
22                    {
23                        System.out.print(k);
24                        k--;
25                    }
26                }
27            }
28            else
29            {
```

```

29         {
30             for(j=1,k=i;j<=2*i-1;j++)
31             {
32                 if(j<i)
33                 {
34                     System.out.print(k);
35                     k--;
36                 }
37                 else
38                 {
39                     System.out.print(k);
40                     k++;
41                 }
42             }
43         }
44         System.out.println();
45     }
46 }
47 }

```

```

    1
   212
  12321
 4321234
123454321

```

Process finished.

