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LEMBAR JAWABAN TEST
SKK MIGAS

1.

Syntax java
<pre>public static void main(String[] args) { int n = 15; System.out.println("n : " + n); qOne(n); } public static void qOne(int n){ for (int i = 1; i <= n; i++) { if (i % 3 == 0) System.out.print("OK"); if (i % 4 == 0) System.out.print("YES"); if (i%3 != 0 && i%4 != 0) System.out.print(i); System.out.print(" "); } }</pre>
Output
<pre>n : 15 1 2 OK YES 5 OK 7 YES OK 10 11 OKYES 13 14 OK</pre>

2.

a.

Syntax java
<pre>public static void main(String[] args) { int n = 15; System.out.println("n : " + n); qTwoA(n); }</pre>

```
public static void qTwoA(int n) {  
    for (int i = 1; i <= n; i++) {  
        for (int j = 1; j <= i; j++) {  
            System.out.print(i);  
        }  
        System.out.println();  
    }  
}
```

Output

```
n : 15  
1  
22  
333  
4444  
55555
```

b.

Syntax java

```
public static void main(String[] args) {  
    int n = 5;  
    System.out.println("n : " + n);  
    qTwoB(n);  
}  
  
public static void qTwoB(int n) {  
    for (int i = 1; i <= n; i++) {  
        for (int j = i; j >= 1; j--) {  
            System.out.print(j);  
        }  
        System.out.println();  
    }  
}
```

Output

```
n : 5
1
21
321
4321
54321
```

c.

Syntax java

```
public static void main(String[] args) {
    int n = 5;
    System.out.println("n : " + n);
    qTwoC(n);
}

public static void qTwoC(int n) {
    int start = 1;
    boolean asc = true;

    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= i; j++) {
            if (start == 1) asc = true;
            if (start == n) asc = false;
            if (asc) System.out.print(start++);
            if (!asc) System.out.print(start--);
        }
        System.out.println();
    }
}
```

Output

```
n : 5
1
23
454
3212
34543
```

d.

Syntax java

```
public static void main(String[] args) {
    int n = 5;
    System.out.println("n : " + n);
    qTwoD(n);
}

public static void qTwoD(int n) {
    int[][] output = new int[n][n];
    int num = 1;

    for (int i = 1; i <= n; i++) {
        if (i % 2 == 0) for (int j = n; j >= 1; j--) output[j - 1][i - 1] = num++;
        if (i % 2 != 0) for (int j = 1; j <= n; j++) output[j - 1][i - 1] = num++;
    }

    for (int[] row : output) {
        for (int i : row) {
            String out = String.format("%-2d", i);
            System.out.print(out + " ");
        }
        System.out.println();
    }
}
```

Output

```
n : 5
1 10 11 20 21
2 9 12 19 22
3 8 13 18 23
4 7 14 17 24
5 6 15 16 25
```

3.

Syntax java

```
public static void main(String[] args) {
    int[] n = {12, 9, 13, 6, 10, 4, 7, 2};
    int[] output = qThree(n);
}
```

```

        System.out.println("n = " + Arrays.toString(n));
        System.out.println("output = " + Arrays.toString(output));
    }

    public static int[] qThree(int[] n){
        return Arrays.stream(n)
            .filter(num -> num % 3 != 0)
            .sorted()
            .toArray();
    }

```

Output

```

n = [12, 9, 13, 6, 10, 4, 7, 2]
output = [2, 4, 7, 10, 13]

```

4.

a.

Syntax sql

```

select *
from barang
where harga > 10000
order by harga asc ;

```

Output

	A-z kode	A-z nama	123 harga
1	B1	Baju	12,000
2	B3	Sepatu	30,000

b.

Syntax sql

```

select *
from pelanggan
where
    nama ilike '%g%' and
    alamat = 'BANDUNG';

```

Output

	A-Z nama pelanggan ▼	123 jumlah ▼	123 total harga ▼
1	Anggi	10	130,000
2	Rahma	6	68,000
3	Yogi	4	48,000