

BHARATH KUMAR G R | BATCH-A4 | VSN:VS4US1298 | DATE:04/07/2025

The image displays an IDE with two tabs: 'Example3.java' and 'Console'. The 'Example3.java' tab shows the following code:

```
package com.jaggedarray;

import java.util.Scanner;

public class Example3 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int i,j,k; a = new int[3][][];

        a[0]=new int[4][];
        a[1]=new int[3][];
        a[2]=new int[6][];

        a[0][0]=new int[3];
        a[0][1]=new int[4];
        a[0][2]=new int[5];
        a[0][3]=new int[6];

        a[1][0]=new int[7];
        a[1][1]=new int[8];
        a[1][2]=new int[9];

        a[2][0]=new int[10];
        a[2][1]=new int[11];
        a[2][2]=new int[12];
        a[2][3]=new int[13];
        a[2][4]=new int[14];
        a[2][5]=new int[15];

        int i,j,k;
        for(i=0; i<3; i++)
        {
            for(j=0; j<a[i].length; j++)
            {
                for(k=0; k<a[i][j].length; k++) {
                    System.out.println("Hospital: "+i+"Department: "+j+"Doctor: "+k);
                    a[i][j][k]=sc.nextInt();
                }
            }
        }

        System.out.println("The Doctors are: ");

        for(i=0; i<3; i++)
        {
            for(j=0; j<a[i].length; j++)
            {
                for(k=0; k<a[i][j].length; k++) {
                    System.out.println(a[i][j][k]);
                }
            }
        }
    }
}
```

The 'Console' tab shows the output of the program, which is a list of hospital departments and doctors, each with a unique ID. The output is as follows:

```
<terminated> Example3 [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (04-Jul-2025, 10:40)
Hospital: 0Department: 0Doctor: 0
Hospital: 0Department: 0Doctor: 1
Hospital: 0Department: 0Doctor: 2
Hospital: 0Department: 1Doctor: 0
Hospital: 0Department: 1Doctor: 1
Hospital: 0Department: 1Doctor: 2
Hospital: 0Department: 1Doctor: 3
Hospital: 0Department: 2Doctor: 0
Hospital: 0Department: 2Doctor: 1
Hospital: 0Department: 2Doctor: 2
Hospital: 0Department: 2Doctor: 3
Hospital: 0Department: 2Doctor: 4
Hospital: 0Department: 3Doctor: 0
Hospital: 0Department: 3Doctor: 1
Hospital: 0Department: 3Doctor: 2
Hospital: 0Department: 3Doctor: 3
Hospital: 0Department: 3Doctor: 4
Hospital: 0Department: 3Doctor: 5
Hospital: 1Department: 0Doctor: 0
Hospital: 1Department: 0Doctor: 1
Hospital: 1Department: 0Doctor: 2
Hospital: 1Department: 0Doctor: 3
Hospital: 1Department: 0Doctor: 4
Hospital: 1Department: 0Doctor: 5
Hospital: 1Department: 0Doctor: 6
Hospital: 1Department: 0Doctor: 7
Hospital: 1Department: 0Doctor: 8
Hospital: 1Department: 0Doctor: 9
Hospital: 1Department: 1Doctor: 0
Hospital: 1Department: 1Doctor: 1
Hospital: 1Department: 1Doctor: 2
Hospital: 1Department: 1Doctor: 3
Hospital: 1Department: 1Doctor: 4
Hospital: 1Department: 1Doctor: 5
Hospital: 1Department: 1Doctor: 6
Hospital: 1Department: 1Doctor: 7
Hospital: 1Department: 1Doctor: 8
Hospital: 1Department: 1Doctor: 9
Hospital: 1Department: 1Doctor: 10
Hospital: 1Department: 1Doctor: 11
Hospital: 1Department: 1Doctor: 12
Hospital: 1Department: 1Doctor: 13
Hospital: 1Department: 1Doctor: 14
Hospital: 1Department: 1Doctor: 15
Hospital: 2Department: 0Doctor: 0
Hospital: 2Department: 0Doctor: 1
Hospital: 2Department: 0Doctor: 2
Hospital: 2Department: 0Doctor: 3
Hospital: 2Department: 0Doctor: 4
Hospital: 2Department: 0Doctor: 5
Hospital: 2Department: 0Doctor: 6
Hospital: 2Department: 0Doctor: 7
Hospital: 2Department: 0Doctor: 8
Hospital: 2Department: 0Doctor: 9
Hospital: 2Department: 0Doctor: 10
Hospital: 2Department: 0Doctor: 11
Hospital: 2Department: 0Doctor: 12
Hospital: 2Department: 0Doctor: 13
Hospital: 2Department: 0Doctor: 14
Hospital: 2Department: 0Doctor: 15
Hospital: 2Department: 1Doctor: 0
Hospital: 2Department: 1Doctor: 1
Hospital: 2Department: 1Doctor: 2
Hospital: 2Department: 1Doctor: 3
Hospital: 2Department: 1Doctor: 4
Hospital: 2Department: 1Doctor: 5
Hospital: 2Department: 1Doctor: 6
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Hospital: 2Department: 1Doctor: 9
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Hospital: 2Department: 1Doctor: 11
Hospital: 2Department: 1Doctor: 12
Hospital: 2Department: 1Doctor: 13
Hospital: 2Department: 1Doctor: 14
Hospital: 2Department: 1Doctor: 15
Hospital: 2Department: 2Doctor: 0
Hospital: 2Department: 2Doctor: 1
Hospital: 2Department: 2Doctor: 2
Hospital: 2Department: 2Doctor: 3
Hospital: 2Department: 2Doctor: 4
Hospital: 2Department: 2Doctor: 5
Hospital: 2Department: 2Doctor: 6
Hospital: 2Department: 2Doctor: 7
Hospital: 2Department: 2Doctor: 8
Hospital: 2Department: 2Doctor: 9
Hospital: 2Department: 2Doctor: 10
Hospital: 2Department: 2Doctor: 11
Hospital: 2Department: 2Doctor: 12
Hospital: 2Department: 2Doctor: 13
Hospital: 2Department: 2Doctor: 14
Hospital: 2Department: 2Doctor: 15
Hospital: 2Department: 3Doctor: 0
Hospital: 2Department: 3Doctor: 1
Hospital: 2Department: 3Doctor: 2
Hospital: 2Department: 3Doctor: 3
Hospital: 2Department: 3Doctor: 4
Hospital: 2Department: 3Doctor: 5
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Hospital: 2Department: 3Doctor: 10
Hospital: 2Department: 3Doctor: 11
Hospital: 2Department: 3Doctor: 12
Hospital: 2Department: 3Doctor: 13
Hospital: 2Department: 3Doctor: 14
Hospital: 2Department: 3Doctor: 15
```

```
1 package com.JaggedArray;
2
3 import java.util.Scanner;
4
5 public class Example3 {
6
7     public static void main(String[] args) {
8
9         Scanner sc = new Scanner(System.in);
10
11         int i,j,k;
12         a = new int[3][3];
13
14         a[0]=new int[4];
15         a[1]=new int[3];
16         a[2]=new int[6];
17
18         a[0][0]=new int[3];
19         a[0][1]=new int[4];
20         a[0][2]=new int[5];
21         a[0][3]=new int[6];
22
23         a[1][0]=new int[7];
24         a[1][1]=new int[8];
25         a[1][2]=new int[9];
26
27         a[2][0]=new int[10];
28         a[2][1]=new int[11];
29         a[2][2]=new int[12];
30         a[2][3]=new int[13];
31         a[2][4]=new int[14];
32         a[2][5]=new int[15];
33
34         int i,j,k;
35         for(i=0; i<3; i++)
36         {
37             for(j=0; j<a[i].length; j++)
38             {
39                 for(k=0; k<a[i][j].length; k++) {
40                     System.out.println("Hospital: "+i+"Departement: "+j+"Doctor: "+k);
41                     a[i][j][k]=sc.nextInt();
42                 }
43             }
44         }
45         System.out.println("The Doctors are: ");
46         for(i=0; i<3; i++)
47         {
48             for(j=0; j<a[i].length; j++)
49             {
50                 for(k=0; k<a[i][j].length; k++) {
51                     System.out.println(a[i][j][k]);
52                 }
53             }
54         }
55     }
56 }
57 }
```

```
<terminated> Example3 [Java Application] C:\
Hospital: 2Departement: 3Doctor: 11
Hospital: 2Departement: 3Doctor: 12
Hospital: 2Departement: 4Doctor: 0
Hospital: 2Departement: 4Doctor: 1
Hospital: 2Departement: 4Doctor: 2
Hospital: 2Departement: 4Doctor: 3
Hospital: 2Departement: 4Doctor: 4
Hospital: 2Departement: 4Doctor: 5
Hospital: 2Departement: 4Doctor: 6
Hospital: 2Departement: 4Doctor: 7
Hospital: 2Departement: 4Doctor: 8
Hospital: 2Departement: 4Doctor: 9
Hospital: 2Departement: 4Doctor: 10
Hospital: 2Departement: 4Doctor: 11
Hospital: 2Departement: 4Doctor: 12
Hospital: 2Departement: 4Doctor: 13
Hospital: 2Departement: 5Doctor: 0
Hospital: 2Departement: 5Doctor: 1
Hospital: 2Departement: 5Doctor: 2
Hospital: 2Departement: 5Doctor: 3
Hospital: 2Departement: 5Doctor: 4
Hospital: 2Departement: 5Doctor: 5
Hospital: 2Departement: 5Doctor: 6
Hospital: 2Departement: 5Doctor: 7
Hospital: 2Departement: 5Doctor: 8
Hospital: 2Departement: 5Doctor: 9
Hospital: 2Departement: 5Doctor: 10
Hospital: 2Departement: 5Doctor: 11
```

```
1 package com.JaggedArray;
2
3 import java.util.Scanner;
4
5 public class Example3 {
6
7     public static void main(String[] args) {
8
9         Scanner sc = new Scanner(System.in);
10
11         int i,j,k;
12         a = new int[3][3];
13
14         a[0]=new int[4];
15         a[1]=new int[3];
16         a[2]=new int[6];
17
18         a[0][0]=new int[3];
19         a[0][1]=new int[4];
20         a[0][2]=new int[5];
21         a[0][3]=new int[6];
22
23         a[1][0]=new int[7];
24         a[1][1]=new int[8];
25         a[1][2]=new int[9];
26
27         a[2][0]=new int[10];
28         a[2][1]=new int[11];
29         a[2][2]=new int[12];
30         a[2][3]=new int[13];
31         a[2][4]=new int[14];
32         a[2][5]=new int[15];
33
34         int i,j,k;
35         for(i=0; i<3; i++)
36         {
37             for(j=0; j<a[i].length; j++)
38             {
39                 for(k=0; k<a[i][j].length; k++) {
40                     System.out.println("Hospital: "+i+"Departement: "+j+"Doctor: "+k);
41                     a[i][j][k]=sc.nextInt();
42                 }
43             }
44         }
45         System.out.println("The Doctors are: ");
46         for(i=0; i<3; i++)
47         {
48             for(j=0; j<a[i].length; j++)
49             {
50                 for(k=0; k<a[i][j].length; k++) {
51                     System.out.println(a[i][j][k]);
52                 }
53             }
54         }
55     }
56 }
57 }
```

```
<terminated> Example3 [Java Application] C:\Pr
Hospital: 2Departement: 5Doctor: 11
Hospital: 2Departement: 5Doctor: 12
Hospital: 2Departement: 5Doctor: 13
Hospital: 2Departement: 5Doctor: 14
The Doctors are:
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```
1 package com.JaggedArray;
2
3 import java.util.Scanner;
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5 public class Example3 {
6
7     public static void main(String[] args) {
8
9         Scanner sc = new Scanner(System.in);
10
11         int i,j,k;
12         a = new int[3][3];
13
14         a[0]=new int[4];
15         a[1]=new int[3];
16         a[2]=new int[6];
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18         a[0][0]=new int[3];
19         a[0][1]=new int[4];
20         a[0][2]=new int[5];
21         a[0][3]=new int[6];
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23         a[1][0]=new int[7];
24         a[1][1]=new int[8];
25         a[1][2]=new int[9];
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27         a[2][0]=new int[10];
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29         a[2][2]=new int[12];
30         a[2][3]=new int[13];
31         a[2][4]=new int[14];
32         a[2][5]=new int[15];
33
34         int i,j,k;
35         for(i=0; i<3; i++)
36         {
37             for(j=0; j<a[i].length; j++)
38             {
39                 for(k=0; k<a[i][j].length; k++) {
40                     System.out.println("Hospital: "+i+"Departement: "+j+"Doctor: "+k);
41                     a[i][j][k]=sc.nextInt();
42                 }
43             }
44         }
45         System.out.println("The Doctors are: ");
46         for(i=0; i<3; i++)
47         {
48             for(j=0; j<a[i].length; j++)
49             {
50                 for(k=0; k<a[i][j].length; k++) {
51                     System.out.println(a[i][j][k]);
52                 }
53             }
54         }
55     }
56 }
57 }
```

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<terminated> Example3 [Java
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File Edit Source Refactor Navigate Search Project Run Window Help
Solution.java Voting_System.java Pub.java Vst4Uj.java Default_Val... Without_Sta... Demo.java Example3.java x
1 package com.jaggedarray;
2 import java.util.Scanner;
3
4 public class Example3 {
5     public static void main(String[] args) {
6
7         Scanner sc = new Scanner(System.in);
8
9         int [][] a = new int[3][][];
10
11         a[0]=new int[4][];
12         a[1]=new int[3][][];
13         a[2]=new int[6][];
14
15         a[0][0]=new int[3];
16         a[0][1]=new int[4];
17         a[0][2]=new int[5];
18         a[0][3]=new int[6];
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20         a[1][0]=new int[7];
21         a[1][1]=new int[8];
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24         a[2][0]=new int[10];
25         a[2][1]=new int[11];
26         a[2][2]=new int[12];
27         a[2][3]=new int[13];
28         a[2][4]=new int[14];
29         a[2][5]=new int[15];
30
31         int i,j,k;
32         for(i=0; i<3; i++)
33         {
34             for(j=0; j<a[i].length; j++)
35             {
36                 for(k=0; k<a[i][j].length; k++) {
37                     System.out.println("Hospital: "+i+"Departement: "+j+"Doctor: "+k);
38                     a[i][j][k]=sc.nextInt();
39                 }
40             }
41         }
42         System.out.println("The Doctors are: ");
43         for(i=0; i<3; i++)
44         {
45             for(j=0; j<a[i].length; j++)
46             {
47                 for(k=0; k<a[i][j].length; k++) {
48                     System.out.println(a[i][j][k]);
49                 }
50             }
51         }
52     }
53 }
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<terminated> Example3 (Java Application) C
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