

```
package com.dl.three.array;
```

```
//Matrix
```

```
public class Eg1 {
```

```
public static void main(String[] args) {
```

```
int[][] a = { { 1, 2, 3 }, { 4, 5, 6 }, { 7, 8, 9 } };
```

```
for (int i = 0; i < a.length; i++) {
```

```
System.out.println(a[i][0] + " " + a[i][1] + " " + a[i][2]);
```

```
}
```

```
}
```

```
}
```

1	2	3
4	5	6
7	8	9

```
package com.dl.three.array;

//Matrix using nested for loop
public class Eg2 {

    public static void main(String[] args) {

        int[][] a = { { 1, 2, 3 }, { 4, 5, 6 }, { 7, 8, 9 } };

        for (int row = 0; row < a.length; row++) {

            for (int col = 0; col < a[row].length; col++) {

                System.out.print(a[row][col] + "\t");

            }
            System.out.println();
        }
    }
}
```

1	2	3
4	5	6
7	8	9

```
package com.dl.three.array;
```

```
//Matrix using nested for loop
```

```
public class Eg3 {
```

```
public static void main(String[] args) {
```

```
int[][] a = { { 1, 2, 3 }, { 4, 5, 6 }, { 7, 8, 9 } };
```

```
for (int i = 0; i < 3; i++) {
```

```
for (int j = 0; j < 3; j++) {
```

```
System.out.print(a[i][j] + "\t");
```

```
}
```

```
System.out.println();
```

```
}
```

```
}
```

```
}
```

1	2	3
4	5	6
7	8	9