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# Anonymous Array in Java

Difficulty Level : Easy • Last Updated : 02 Dec, 2021

An [array in Java](#) **without any name** is known as **an anonymous array**. It is an array just for creating and using instantly. Using an anonymous array, we can pass an array with user values without the referenced variable.

## Properties of Anonymous Arrays:

- We can create an array without a name. Such types of nameless arrays are called anonymous arrays.
- The main purpose of an anonymous array is just for instant use (just for one-time usage).
- An anonymous array is passed as an argument of a method.

**Note:** For Anonymous array creation, do not mention size in []. The number of values passing inside {} will become the size.

## Syntax:

```
new <data type>[] { <list of values with comma separator> };
```

## Examples:

```
// anonymous int array  
new int[] { 1, 2, 3, 4};
```

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```
new int[][] { {10, 20}, {30, 40, 50} },
```

## Implementation:

### Java

```
// Java program to illustrate the
// concept of anonymous array

class Test {
    public static void main(String[] args)
    {
        // anonymous array
        sum(new int[] { 1, 2, 3 });
    }

    public static void sum(int[] a)
    {
        int total = 0;

        // using for-each loop
        for (int i : a)
            total = total + i;

        System.out.println("The sum is: " + total);
    }
}
```

### Output

The sum is: 6

**Explanation:** In the above example, just to call the sum method, we required an array, but after implementing the sum method, we are not using the array anymore. Hence for this one-time requirement anonymous array is the best choice. Based on

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