

- 1) The default value of Array are: 0
- 2) in case we pass negative value they show negative Exception.
- 3) Heap area.
- 4) It's a fixed size of memory block we can't increase or decrease the size.
- 5) An array without a name is called an Anonymous Array
this type of array is created just for instant use.

Example:

```
public class Demo{
    public static void main(String[] args){
        add(new int[]{10,20,30,40});
        add(new int[]{10,20});
        add(new int[]{});
    }
    public static void add(int[] a){
        sum+=0;
        for(int i=0;i<=a.length;i++){
            sum+=a[i];
        }
        System.out.println("the sum is:"+sum);
    }
}
```

- 6) We traverse an array with the use of *for* and *foreach* loop.
- 7) **length**: It is a property of array class.
Length(): it is a method of String class.