

```
1 //sample code for parameter passing of arrays
2 #include<stdio.h>
3 #define N 5
4
5 //void init(int a[5]){
6 //void init(int a[]){
7 void init(int a[]){
8     int i;
9
10     for(i=0;i<N;i++)
11         a[i]=i+1;
12 }
13
14 void output(int a[6]){
15     int i;
16
17     for(i=0;i<N;i++)
18         printf("%i\n",a[i]);
19 }
20
21
22 int main(){
23     int a[N]; //valid
24
25     int i;
26
27     //test the value and
28     //printf("a == %p == %p == &a[0]\n",a,&a[0]);
29     //printf("*a == %i == %i == a[0]\n\n",*a,a[0]);
30     //printf("a+1 == %p == %p == &a[1]\n",a+1,&a[1]);
31     //printf("*(a+1) == %i == %i == a[1]\n",*(a+1),a[1]);
32
33     //initialization
34     //for(i=0;i<N;i++)
35     //    a[i]=i+1;
36     init(a);
37
38     //output
39     //for(i=0;i<N;i++)
40     //    printf("%i\n",a[i]);
41     output(a);
42
43 }
```