

```
01 //Sum of all even elements in an array
02 #include<stdio.h>
03 #include<stdlib.h>
04 int sumEvenArray(int[], int, int);
05 int main() {
06     int n, *a, i;
07     printf("Enter the number of elements in the array\n");
08     scanf("%d",&n);
09     a = (int *) malloc(n*sizeof(int));
10     printf("Enter the elements in the array\n");
11     for(i=0;i<n;i++)
12         scanf("%d",&a[i]);
13     printf("The sum of the even elements in the array is
%d\n", sumEvenArray(a,0,n));
14     return 0;
15 }
16
17 int sumEvenArray(int a[], int li, int size) {
18     if(li<size) {
19         if(li == (size-1)) {
20             return (a[li]%2==0)?a[li]:0;
21         }
22
23         if(a[li]%2==0) {
24             return a[li] + sumEvenArray(a,li+1,size);
25         }
26         else {
27             return sumEvenArray(a,li+1,size);
28         }
29     }
30     return 0;
31 }
```