Recursion - Sum of Positive Odd Numbers

Write a program to find the sum of the positive odd numbers present in an array using recursion.

Input Format

The first integer input represents the size of the array (n), next n lines consist of values present in the array.

Constraints

NA

Output Format

The output prints the sum of positive odd numbers in an array. Refer to the sample output for formatting specifications.

Sample Input 0

```
3
1
1
1
```

Sample Output 0

```
Sum = 3
```

Sample Input 1

```
5
1
2
3
4
5
```

Sample Output 1

```
Sum = 9
```

Submissions: 423
Max Score: 100

Difficulty: Medium

Rate This Challenge:

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C

```c
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>

int posodd(int arr[], int n)
{
    static int sum=0;
    if(n>0)
    {
        if(arr[n-1]%2==1)
        sum=sum+arr[n-1];
        posodd(arr,n-1);
    }
return sum;
}
int main()
{
    int n,j;
    scanf("%d",&n);
    int arr[n];
    for(j=0;j<n;j++)
    {
        scanf("%d",&arr[j]);
    }
    printf("Sum = %d",posodd(arr,n));
}
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code

Testcase 0 ✔ Testcase 1 ✔

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
3
1
1
1
```

Your Output (stdout)

```
Sum = 3
```

Expected Output

```
Sum = 3
```