

## C program to find sum of first n odd positive numbers

The sum of the first n odd positive numbers can be calculated using the following formula:

$$\text{sum} = n^2$$

Here is an example program to find the sum of the first n odd positive numbers using the above formula:

```
#include <stdio.h>

int main() {
    int n, sum;
    printf("Enter the value of n: ");
    scanf("%d", &n);
    // calculate the sum using the formula
    sum = n * n;

    printf("The sum of the first %d odd positive numbers is %d\n", n,
sum);
    return 0;
}
```

In this program, we first declare two integer variables n and sum. We ask the user to input the value of n using the scanf() function.

Then, we calculate the value of sum using the formula  $\text{sum} = n^2$ . Finally, we print the value of sum using the printf() function.

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