

### sumN.c

```
1 #include <stdio.h>
2
3 int main() {
4     int n, i, sum = 0;
5
6     printf("Enter a positive integer: ");
7     scanf("%d", &n);
8
9     // Input validation for natural numbers (which start from 1)
10    if (n <= 0) {
11        printf("Please enter a positive integer.\n");
12        return 1; // Exit with an error code
13    }
14
15    for (i = 1; i <= n; i++) {
16        sum = sum + i;
17    }
18
19    printf("Sum of the first %d natural numbers is %d\n", n, sum);
20
21    return 0;
22}
```