

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 }
23
```