

sumN3.c

```
1  #include <stdio.h>
2
3  int main() {
4      int n, i = 1, sum = 0;
5
6      printf("Enter a positive integer: ");
7      scanf("%d", &n);
8
9      if (n <= 0) {
10         printf("Please enter a positive integer.\n");
11         return 1;
12     }
13
14     // using while loop
15     while (i <= n) {
16         sum = sum + i;
17         i++;
18     }
19
20     // using do-while loop
21     /*
22     do {
23         sum = sum + i;
24         i++;
25     } while (i <= n);
26     */
27
28     printf("Sum of the first %d natural numbers is %d\n", n, sum);
29
30     return 0;
31 }
32
```