

Operating system: Windows 10

IDE: Visual Studio

Expertise: Novice

This program defines a function called `sum_of_natural_numbers` that calculates the sum of all natural numbers from 1 to `n` using recursion. It takes user input, checks if it's a positive integer, and calculates and prints the sum if the input is valid.

```
def sum_of_natural_numbers(n):  
    if n <= 0:  
        return 0  
    else:  
        return n + sum_of_natural_numbers(n - 1)  
  
number = int(input("Enter a positive integer: "))  
  
if number <= 0:  
    print("Please enter a positive integer.")  
else:  
    result = sum_of_natural_numbers(number)  
    print(f"The sum of natural numbers up to {number} is {result}")
```

