Aim:

Your friend is a mathematician, and he needs your help in verifying a mathematical series. You have three inputs a, b, and N. Your task is to print the output with the series that results from the following equation $a + b^1,\ a + b^2,\ ..,\ a + b^N$

Input Format:
- The first line of the input consists of an integer, a.
- The second line of the input consists of an integer b representing the base for the series.
- The third line of the input consists an integer, N representing the number of terms in the series.

Output Format:
- The output is a single line containing the space-separated terms of the given series.

Source Code:

series.py

```python
a=int(input("a: "))
b=int(input("b: "))
n=int(input("N: "))
print("result: ",end='')
for i in range(1,n+1,1):
    c=b**i
    res=a+c
    print(f"{res} ",end='')
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
a: 3
b: 2
N: 3
result: 5 7 11

Test Case - 2
User Output
a: 4
b: 3
N: 5
result: 7 13 31 85 247