Weekly Assignment 17

Write a Python program to print the summation of the following series upto N terms-

1. $-1 + 2 + 11 + 26 + 47 + \dots$

2. $1 + 2 + 2 + 3 + 3 + 3 + 4 + 4 + 4 + 4 + \dots$

3. $1^{2^3} + 2^{3^4} + 3^{4^5} + 4^{5^6} + \dots$

4. $1 + \dfrac{1}{2^2} + \dfrac{1}{3^3} + \dfrac{1}{4^4} + \dots$

5. $\dfrac{1}{1!} + \dfrac{2}{2!} + \dfrac{3}{3!} + \dfrac{4}{4!} \dots$