C Programming Practice Question

Chapter-3(Iterative Statement-Loops)

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Course Name: CCP: Certified C Programming

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Questions on Series (VVI)

1. $1 + 2 + 3 + 4 + 5 + 6 = ?$

2. $1 + 2 + 3 + 4 + 5 + 6 + \ldots\ldots + 20 = ?$

3. $1 + 2 + 3 + 4 + 5 + \ldots\ldots + N = ?$

4. $2 + 4 + 6 + \ldots\ldots\ldots + 10 = ?$

5. $2 + 4 + 6 + \ldots\ldots\ldots + N = ?$

6. $1 + 3 + 5 + \ldots\ldots\ldots + N = ?$

7. $1 + 3 + 5 + \ldots\ldots\ldots + 10 = ?$

8. $1^2 + 2^2 + 3^2 + \ldots\ldots\ldots\ldots + n^2 = ?$

9. $1 + 1/2 + 1/3 + 1/4 + 1/5 \ldots 1/n = ?$

    Test Data:

    Input the number of terms: 5

    Expected Output:

    1/1 + 1/2 + 1/3 + 1/4 + 1/5 +

    Sum of Series up to 5 terms: 2.283334

10. 9 + 99 + 999 + 9999 ……. =?

Test Data:

Input the number of terms:5

Expected Output:

9 99 999 9999 99999

The summation of the series = 111105

11. Find the sum of the first 10 terms of the arithmetic series: 3, 7, 11, 15,

12. 1/1!+1/2!+1/3!+1/4!+........+1/n!