



1. Write a program to print the first 50 items of the Fibonacci series:
0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ...

2. Write a program to Print the following output

1
22
333
4444
55555

3. Write a program that computes the first 20 terms of the expression:

$$\frac{1}{n} + \frac{3}{n^2} + \frac{5}{n^3} + \dots$$

4. Calculating the sum of the first 20 terms of the following series:

$$1 - 1/2 + 1/3 - 1/4 + 1/5 - \dots$$

5. Write a program that asks the user to input an integer number and displays the number in binary

6. Write a program that uses nested loops to produce the following output:

1 2 3 4 5 6 7 8 9 10
2 4 6 8 10 12 14 16 18 20
3 6 9 12 15 18 21 24 27 30
4 8 12 16 20 24 28 32 36 40
5 10 15 20 25 30 35 40 45 50

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