1. Moksha wants to know whether 231987 is a prime number or not. He is interested to know whether he can create a program to check if any number is prime or not. He is not aware of the loops and hence is not able to do it. To help Moksha write a program in python to check whether a given number is prime or not. **Note:** Write the entire program inside a loop so that the user can use the program multiple times without running it again and again.
2. The fibonacci sequence is a series of numbers in which each number is the sum of the two that precede it. Starting at 0 and 1, the sequence looks like this: 0, 1, 1, 2, 3, 5, 8, 13, 21, 34, and so on forever.Arvind is very interested to know the 100th term of the Fibonacci series. He was adding the values manually in a calculator but it was taking so much time for him to find any term of the Fibonacci series. To help Arvind write a program that can print nth term of the Fibonacci series where n is the given term by the user. Also, write the entire program inside a loop so that the user can use the program multiple times without running the program again and again.