Given an integer n, return the nth digit of the infinite integer sequence [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, ...].

**Example 1:**

**Input:** n = 3

**Output:** 3

**Example 2:**

**Input:** n = 11

**Output:** 0

**Explanation:** The 11th digit of the sequence 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, ... is a 0, which is part of the number 10.

**Constraints:**

* 1 <= n <= 231 - 1