Given an integer num, return *a string representing its hexadecimal representation*. For negative integers, [two’s complement](https://en.wikipedia.org/wiki/Two%27s_complement) method is used.

All the letters in the answer string should be lowercase characters, and there should not be any leading zeros in the answer except for the zero itself.

**Note:**You are not allowed to use any built-in library method to directly solve this problem.

**Example 1:**

Input: num = 26  
Output: "1a"

**Example 2:**

Input: num = -1  
Output: "ffffffff"

**Constraints:**

* -231 <= num <= 231 - 1