A - Binary Representation

Given a positive integer, print its binary representation.  
Note: Do not use any inbuilt functions/libraries for your main logic.

**Input Format**

First line of input contains T - number of test cases. Its followed by T lines, each line containing a single integer.

**Constraints**

1 <= T <= 10000  
0 <= N <= 109

**Output Format**

For each test case, print binary representation, separated by new line.

**Sample Input 0**

5

10

15

7

1

120

**Sample Output 0**

1010

1111

111

1

1111000

**Explanation 0**

Self Explanatory

bool isKthBitSetV1(long long n, int k) {

return (n & (1LL << k)) != 0;

}

void binaryRep(long long n)

{

if (n == 0) { // cout << 0 in main()

return;

}

bool flag = isKthBitSetV1(n, 0);

n = n >> 1LL;

binaryRep(n);

*cout* << flag ? 1 : 0;

}