

Generate Binary Numbers

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Given a number **n**. The task is to generate all **binary numbers** with decimal values from **1 to n**.

Examples:

Input: n = 4

Output: ["1", "10", "11", "100"]

Explanation: Binary numbers from 1 to 4 are 1, 10, 11 and 100.

Input: n = 6

Output: ["1", "10", "11", "100", "101", "110"]

Explanation: Binary numbers from 1 to 6 are 1, 10, 11, 100, 101 and 110.

Constraints:

$1 \leq n \leq 10^6$

From <<https://www.geeksforgeeks.org/problems/generate-binary-numbers-1587115620/1>>

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Python3 Start Timer
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```
1 class Solution:
2     def generateBinary(self, n):
3         # code here
4         res = []
5         for i in range(1,n+1):
6             res.append(str(bin(i)[2:]))
7         return res
```