**Binary representation**

[bit](http://www.practice.geeksforgeeks.org/tag-page.php?tag=bit&isCmp=0)

[Microsoft](http://www.practice.geeksforgeeks.org/tag-page.php?tag=Microsoft&isCmp=1)

Write a program to print Binary representation of a given number.

**Input:**

The first line of input contains an integer T denoting the number of test cases.  
The first line of each test case is N.  
  
**Output:**

Print binary representation of a number in 14 bits.

**Constraints:**

1 ≤ T ≤ 100  
1 ≤ N ≤ 5000

**Example:**

**Input:**

2  
2  
5

**Output:**

00000000000010  
00000000000101

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=602>

#include <stdio.h>

#include <iostream>

#include <math.h>

#include <algorithm>

#include <cmath>

using namespace std;

int main() {

  int t;

  scanf("%d", &t);

  while(t--) {

     int n ;

     scanf("%d", &n);

     std::string bin = "";

     while(n>0){

       bin += ((n%2)+'0');

       n/=2;

     }

     std::reverse(bin.begin(), bin.end());

     std::string ans = "";

     for(int i =0; i<14 - bin.size(); i++) {

        ans += "0";

     }

     cout << ans + bin << endl;

  }

  return 0;

}