# **Decimal to Binary**

Given a decimal number as input, we need to write a program to convert the given decimal number into an equivalent binary number.

## **Examples:**

Input : 7

Output : 111

Input : 10

Output : 1010

Input: 33

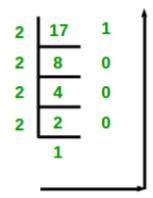
Output: 100001

Decimal number: 17

Binary number: 10001

Decimal to Binary 1

### Decimal number: 17



# Binary number: 10001

```
#include<iostream>
#include<vector>
using namespace std;
int main()
{
    int n;
    cin >> n;
    vector<bool>v;
    while(n > 0)
    {
        int t = n \% 2;
        v.push_back(t);
        n /= 2;
    }
    for(int i = v.size() - 1; i >= 0; i--)
        cout << v[i];
    return 0;
}
```

#### INPUT:

```
5
```

Decimal to Binary 2

## **OUTPUT:**

101

Decimal to Binary 3