```cpp
/*-------Add 1 to binary-------*/

#include<iostream>
#include<string>
using namespace std;

int binAdd(string &n)   /* If we don't use &
the string will be considered as a copy and
the actual string will not get effected by
this function */
{
    int len = n.size();
    int carry = 1;
    int i = len - 1;
    int temp;

    while(i >= 0)
    {
        temp = n[i] - '0';  /* We can't
        directly sum n[i] with carry so
        we're first converting n[i] to
        int type data */

        temp += carry; /* Now we're
        adding the int type value of
        n[i] to carry */

        if(temp == 2)
        {
            n[i] = '0';
        }
        else if(temp == 1)
        {
            n[i] = '1';
            carry = 0;
        }
        else
        {
            n[i] = '0';
            carry = 0;
        }
        i--;
    }

    if(carry == 1)
        n = '1' + n;
```

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47: }
48:
49: int main()
50: {
51:     string n;
52:     cout << "Enter your binary number:\n";
53:     cin >> n;
54:
55:     binAdd(n);
56:     cout << "Adding 1 we get " << n;
57:
58:     return 0;
59: }
```