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#include <stdio.h>

#include <math.h>

int convert(long long);

int main() {

    long long n;

    printf("Enter a binary number: ");

    scanf("%lld", &n);

    printf("%lld in binary = %d in decimal", n, convert(n));

    return 0;

}

int convert(long long n) {

    int dec = 0, i = 0, rem;

    while (n!=0) {

        rem = n % 10;

        n /= 10;

        dec += rem * pow(2, i);

        ++i;

    }

    return dec;

}
```