

```
1 #include <stdio.h>
2 #include <math.h>
3 int convert(long long);
4
5 int main() {
6     long long n;
7     printf("Enter a binary number: ");
8     scanf("%lld", &n);
9     printf("%lld in binary = %d in decimal", n, convert(n));
10    return 0;
11 }
12 int convert(long long n) {
13     int dec = 0, i = 0, rem;
14
15     while (n!=0) {
16         rem = n % 10;
17         n /= 10;
18         dec += rem * pow(2, i);
19         ++i;
20     }
```

/tmp/UVJ8AV
Enter a binary
11 in binary



/tmp/UvJ8AVMfw3.o

Enter a binary number: 0011

11 in binary = 3 in decimal

convert(n));