



Learn how your code will be evaluated (https://helpcenter.mymapit.in/?ht_kb=things-to-know-before-attempting-the-test)

Utility codes for quick start (https://helpcenter.mymapit.in/?page_id=871)

Section - 1

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Question No. | 1 of 36 || 50 Marks

Binary to Decimal

Suppose you are given a number in binary form, your job is to convert the binary number to decimal form.

Input:

Input n is the binary number (0 and 1 only).

Output:

Given n the output is a decimal number.

Sample Input:

1110

Sample Output

14

Sample Input

1110

C (gcc 4.8.3) ▼



▶ Compile & Run

O/P »

```
1  #include<stdio.h>
2  #include<limits.h>
3  int main(){
4      int binary;
5      scanf("%d",&binary);
6
7      // calculation
8      int power = 0;
9      int ans = 0;
10     while(binary != 0){
11         int lastDig = binary % 10; // fetch last dig
12         ans += (lastDig)*(pow(2,power));
13         power++;
14         binary /= 10; // remove last dig of binary string
15     }
16
17     printf("%d",ans);
18 }
```

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