

```

1: /*-----Binary to Decimal-----*/
2:
3: #include<iostream>
4: #include<cmath>
5: using namespace std;
6:
7: binToDeci(int n)
8: {
9:     int digit;
10:    int decimal = 0;
11:    int i = 0;
12:
13:    while(n > 0)
14:    {
15:        digit = n % 10;
16:        decimal += (pow(2, i) * digit);
17:        n /= 10;
18:        i++;
19:    }
20:
21:    cout << decimal;
22: }
23:
24: int main()
25: {
26:     int n;
27:     cout << "Enter your number: \n";
28:     cin >> n;
29:
30:     cout << "Decimal representation of " << n << " is ";
31:     binToDeci(n);
32:
33:     return 0;
34: }

```