

```

1:  /*-----Decimal to Octal-----*/
2:
3:  #include<iostream>
4:  using namespace std;
5:
6:  void octal(int n)
7:  {
8:      /* First we'll find the required dimension
9:      of our array to store the remainders */
10:     int size = 0;
11:     int temp = n;
12:     while(temp > 0)
13:     {
14:         temp /= 8;
15:         size += 1;
16:     }
17:
18:     int arr[size];
19:     int index = 0;
20:     while(n > 0)
21:     {
22:         arr[index] = n % 8;
23:         n /= 8;
24:         index++;
25:     }
26:
27:     for(int j = index - 1; j >= 0; j--)
28:     {
29:         cout << arr[j];
30:     }
31: }
32:
33: int main()
34: {
35:     int n;
36:     cout << "Enter your number: \n";
37:     cin >> n;
38:
39:     cout << "Octal representation of " << n << " is:\n";
40:     octal(n);
41:
42:     return 0;
43: }

```