```cpp
/*--------Decimal to Octal--------*/

#include<iostream>
using namespace std;

void octal(int n)
{
    /* First we'll find the required dimension
    of our array to store the remainders */
    int size = 0;
    int temp = n;
    while(temp > 0)
    {
        temp /= 8;
        size += 1;
    }

    int arr[size];
    int index = 0;
    while(n > 0)
    {
        arr[index] = n % 8;
        n /= 8;
        index++;
    }

    for(int j = index - 1; j >= 0; j--)
    {
        cout << arr[j];
    }
}

int main()
{
    int n;
    cout << "Enter your number: \n";
    cin >> n;

    cout << "Octal representation of " << n << " is:\n";
    octal(n);

    return 0;
}
```