#include <iostream>

#include <math.h>

using namespace std;

int main()

{

int n,i;

cout<<"Enter N: ";

cin>>n;

int a[n];

for (i=0;i<n;i++)a[i]=i;

for (i=1;i<(n+2)/2;i++) cout<<a[i\*2-1]<<" ";

for (i=(n-1)/2;i>=0;i--)cout<<a[i\*2]<<" ";

}