#include<fstream>

#include<string>

#include<iostream>

using namespace std;

int a;

void takenum()//First Function.

{

cout<<"Enter the number=";

cin>>a;

}

void Arrange()//Second Function.

{

ofstream evenfile,oddfile,eofile;

evenfile.open("evenfile.txt");

oddfile.open("oddfile.txt");

eofile.open("evenoddfile.txt");

int i;

a=(a-1);

for (i=1;i<=a;i++)

{

if(i%2==0&&a%2==0)

{

evenfile<<i<<"\t"<<a<<endl;

}

if(i%2!=0&&a%2!=0)

{

oddfile<<i<<"\t"<<a<<endl;

}

if (i%2!=0&&a%2==0)

{

eofile<<i<<"\t"<<a<<endl;

}

if (i%2==0&&a%2!=0)

{

eofile<<i<<"\t"<<a<<endl;

}

a--;

}

}

void show\_number()//Third Function.

{

ifstream file1,file2,file3;

file1.open("evenfile.txt");

file2.open("oddfile.txt");

file3.open("evenoddfile.txt");

int i,a;

while(file1>>i>>a)

{

cout<<"Even.txt"<<endl;

cout<<i<<"\t"<<a<<endl;

}

while (file2>>i>>a)

{

cout<<"odd.txt"<<endl;

cout<<i<<"\t"<<a<<endl;

}

while (file3>>i>>a)

{

cout<<"EvenOdd.txt"<<endl;

cout<<i<<"\t"<<a<<endl;

}

}

int main()//Main Function.

{

takenum();

Arrange();

show\_number();

return 0;

}