//java program to implement binary search

import java.io.\*;

import java.util.\*;

import java.lang.\*;

class Binary

{

public static void main(String args[])

{

int a[]={1,2,3,4,5},key,i,first,mid,last;

Scanner sc=new Scanner(System.in);

System.out.println("Enter element to search");

key=sc.nextInt();

first=0;

last=4;

while(first<=last)

{

mid=(first+last)/2;

if(key==a[mid])

{

System.out.println("Element found");

break;

}

else if(key<a[mid])

{

last=mid-1;

}

else

{

first=mid+1;

}

}

if(first>last)

{

System.out.println("Element not found");

}

}

}

Output:

