**#include<iostream>**

**using namespace std;**

**int main(){**

**int i,n,b,count=0,open=0,c;**

**cout<<"enter a number";**

**cin>>n;**

**for(i=1;i<=n;i++)**

**{**

**for(b=1;b<=i;b++)**

**if(i%b==0)**

**count++;**

**if (count%2!=0)**

**open++;**

**count=0;**

**}**

**cout<<endl<<open<<" LOCKERS ARE OPEN"<<endl;**

**c=n-open;**

**cout<<c<<" LOCKERS ARE CLOSED";**

**return 0;**

**}**