#include <iostream>

using namespace std;

void chk\_number(int n)

{

int c=0,i;

for(i=2;i<n;i++)

{

if(n%i==0)

c=1;

}

if(n%2==0&&c==0)

cout<<n<<"is a prime even number.";

else if(n%2!=0&&c==0)

cout<<n<<"is an odd prime number.";

else if(n%2&&c!=0)

cout<<n<<"is only an even number, not prime.";

else if(n%2!=0)

cout<<n<<"is only an odd number, not prime";

else

cout<<"is not a prime number.";

}

int main()

{

int n;

cout<<"Enter a number:";

cin>>n;

cout<<"Nature of number:"<<endl;

cout<<"-----------------------"<<endl;

chk\_number(n);

return 0;

}