#include<iostream.h>

#include<conio.h>

void main()

{

clrscr();

int num,i,count=0;

cout<<"Enter a number:";

cin>>num;

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

{

if(num%i==0)

{

count++;

break;

}

}

if(count==0)

{

cout<<"This is a prime number";

}

else

{

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

}

getch();

}

OUTPUT: