#include <stdio.h>

int main()

{

int n, i, flag=0;

printf("Enter a positive integer: ");

scanf("%d",&n);

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

{

if(n%i==0)

{

flag=1; break;

} }

if (flag==0)

printf("%d is a prime number.",n);

else

printf("%d is not a prime number.",n);

return 0;

}