#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)

{

// condition for nonprime number

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;

}