#include<stdio.h>

main()

{

int n,p;

printf("enter the value");

scanf("%d",&n);

p=prime(n,n/2);

if(p==1)

printf("%d is a prime number");

else

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

return 0;

}

int prime(int n,int i)

{

if(i==1)

return 1;

if(n%i==0)

return 0;

return prime(n,i-1);

}