#include <stdio.h>

#include <math.h>

int prime(int a )

{

int i,k,flag=1;

printf("input date:\n");

k=sqrt(a);

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

if(a%i==0) {flag=0;break;}

return (flag);

}

main()

{

int m,y;

printf("input m(>1):");

scanf("%d",&m);

if(prime(m))

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

else

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

}