***Problem-16:***

***#include<stdio.h>***

***#include<math.h>***

***int main()***

***{***

***long long unsigned int i,n;***

***int a=0;***

***printf("Please enter the number: ");***

***scanf("%llu",&n);***

***if(n==2)***

***a = 0;***

***else if(n%2==0 || n==1)***

***a = a+1;***

***else{***

***for(i=3;i<=sqrt(n); i=i+2){***

***if(n%i==0)***

***a = a+1;***

***break;***

***}***

***}***

***if(a==0)***

***printf("%llu is a prime number !\n",n);***

***else***

***printf("%llu is not a prime number !\n",n);***

***return 0;***

***}***