```c
#include <stdio.h>
#include <conio.h>
void main()
{
    int num, res=0;
    clrscr();
    printf("\n enter a number:");
    scanf("%d", &num);
    res = prime(num);
    if(res == 0)
        printf("\n %d is a prime number", num);
    else
        printf("\n %d is not a prime number", num);
    getch();
}
int prime(int n)
{
    int i;
    for(i=2; i<=n/2; i++)
    {
        if(n%i != 0)
            continue;
        else
            return 1;
    }
    return 0;
}
```

Output : enter a number : 7
         7 is a prime number.