```
1 #include<stdio.h>
 2 void main()
 3 {
       int n,i=2,temp=0;
 5
       printf("enter a positive integer: ");
 6
       scanf("%d",&n);
       while(i <= n/2)</pre>
 8
 9
10
           if (n%i==0)
11
12
                temp=1;
13
                break;
14
15
16
       }
if (n==1)
17
18
19
           printf("1 is a neither prime nor composite.");
20
21
       else
22
23
           if (temp==0)
24
                printf("%d is a prime number.",n);
26
27
           else
28
29
                printf("%d is not a prime number.",n);
30
31
32
33 }
```

localhost:49203 1/1