

```

1  #include<stdio.h>|
2  int  isprime(int  num,int  prime);
3  int  main( )
4  {
5      int  num,prime;
6      printf("enter a number - ");
7      scanf("%d",&num);
8
9      prime = isprime(num,num/2);
10     if(prime==1)
11     {
12         printf("It is a prime number.");
13     }
14     else
15     {
16         printf("It is not a prime number.");
17     }
18     return 0;
19 }
20 int  isprime(int  n,int  i)
21 {
22     if(i==1)
23         return 1;
24     else
25     {
26         if(n%i==0)
27             return 0;
28         else
29             return isprime(n,i-1);
30     }
31 }
32

```

```

enter a number - 7
It is a prime number.
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```

Process exited after 4.719 seconds with