

main.c

Output



```
1  #include <stdio.h>
2  #include <stdbool.h>
3  bool isPrime(int n) {
4      if (n <= 1) {
5          return false;
6      }
7      for (int i = 2; i * i <= n; i++) {
8          if (n % i == 0) {
9              return false;
10         }
11     }
12     return true;
13 }
14 int main() {
15     int num;
16     printf("Enter a positive integer: "
17           );
18     scanf("%d", &num);
19     if (isPrime(num)) {
20         printf("%d is a Prime Number
21               .\n", num);
22     } else {
23         printf("%d is NOT a Prime
24               Number.\n", num);
25     }
26     return 0;
27 }
```

main.c

Output



```
Enter a positive integer: 7
7 is a Prime Number.
```

```
=== Code Execution Successful ===
```