**C Program to Check Prime Number:**

#include <stdio.h>

int main() {

int num, i, isPrime = 1;

printf("Enter a positive integer: ");

scanf("%d", &num);

if (num <= 1) {

isPrime = 0;

} else {

for (i = 2; i <= num / 2; i++) {

if (num % i == 0) {

isPrime = 0;

break;

}

}

}

if (isPrime)

printf("%d is a prime number.\n", num);

else

printf("%d is not a prime number.\n", num);

return 0;

}

**Output:**

Enter a positive integer: 17

17 is a prime number.

=== Code Execution Successful ===