Write a program in C to check a number is a prime number or not using recursion
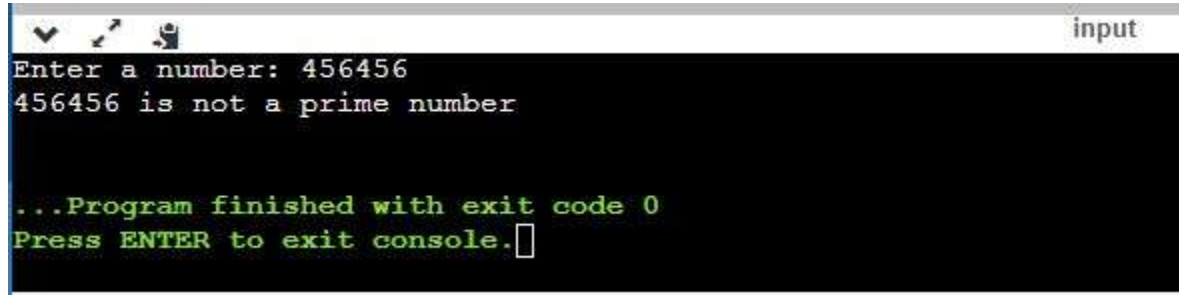
Your Input and Output should look aimilar to this

Enter a number: 456 456 is not a prime number

PROGRAM:

```c
7  *****************************************************************
8  #include <stdio.h>
9  int primeno(int, int);
10 int main()
11 {
12     int num, check;
13     printf("Enter a number: ");
14     scanf("%d", &num);
15     check = primeno(num, num / 2);
16     if (check == 1)
17     {
18         printf("%d is a prime number\n", num);
19     }
20     else
21     {
22         printf("%d is not a prime number\n", num);
23     }
24     return 0;
25 }
26 int primeno(int num, int i)
27 {
28     if (i == 1)
29     {
30         return 1;
31     }
32     else
33     {
34         if (num % i == 0)
35         {
36             return 0;
37         }
38         else
39         {
40             return primeno(num, i - 1);
41         }
42     }
43 }
```

OUTPUT:

```
                                                              input
Enter a number: 456456
456456 is not a prime number


...Program finished with exit code 0
Press ENTER to exit console.
```