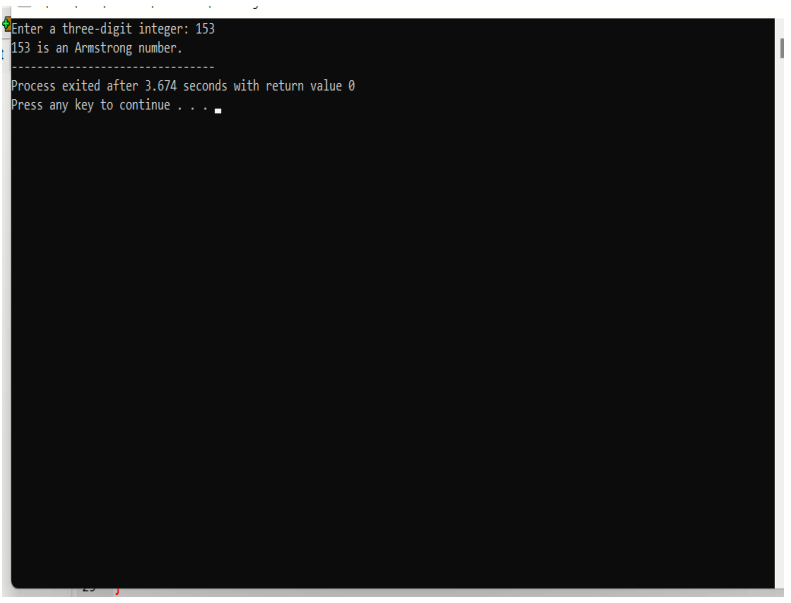```
#include <stdio.h>
int main()
 {
   int num, originalNum, remainder, result = 0;
   printf("Enter a three-digit integer: ");
   scanf("%d", &num);
   originalNum = num;

   while (originalNum != 0) {

       remainder = originalNum % 10;

      result += remainder * remainder * remainder;


     originalNum /= 10;
   }

   if (result == num)
      printf("%d is an Armstrong number.", num);
   else
      printf("%d is not an Armstrong number.", num);
   return 0;
}
```