

```
1 #include <stdio.h>
2 int main() {
3     int num, originalNum, remainder, result = 0;
4     printf("Enter a three-digit integer: ");
5     scanf("%d", &num);
6     originalNum = num;
7
8     while (originalNum != 0) {
9
10         remainder = originalNum % 10;
11
12         result += remainder * remainder * remainder;
13
14         originalNum /= 10;
15     }
16
17     if (result == num)
18         printf("%d is an Armstrong number.", num);
19     else
20         printf("%d is not an Armstrong number.", num);
21
22     return 0;
23 }
24 }
```

C:\Users\DELL\Documents\Untitled1.cpp - [Executing] - Embarcadero Dev-C++ 6.3

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Project

Enter a three-digit integer: 153

153 is an Armstrong number.

Process exited after 5.742 seconds with return value 0

Press any key to continue . . .

Comp

- Output Filename: C:\Users\DELL\Documents\Untitled1.exe