



```
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
15         originalNum /= 10;
16     }
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18     if (result == num)
19         printf("%d is an Armstrong
            number.", num);
20     else
21         printf("%d is not an
```

Run



main.c

Output

`/tmp/DPsNWwR6UD.o`

```
Enter a three-digit integer: 153
153 is an Armstrong number.
```

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