

```
#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) {

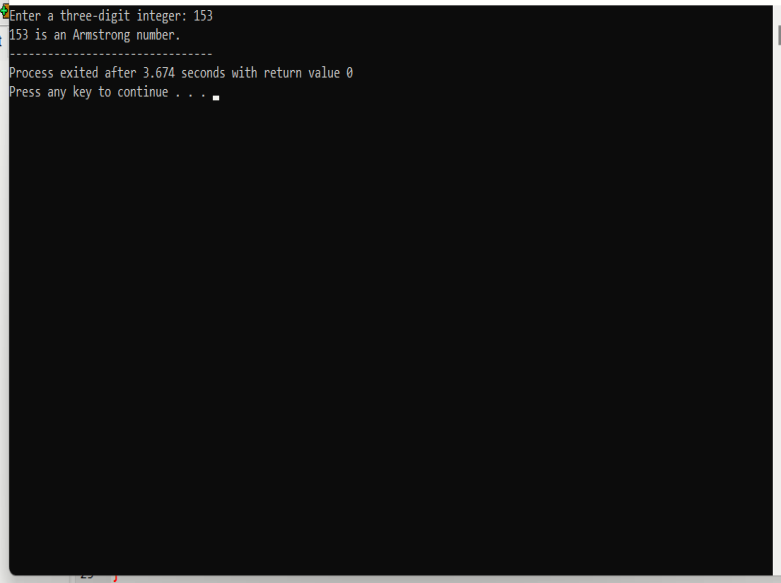
        remainder = originalNum % 10;

        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;
}
```



```
Enter a three-digit integer: 153
153 is an Armstrong number.
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Process exited after 3.674 seconds with return value 0
Press any key to continue . . .
```