

```
#include<stdio.h>

int main()
{
    int num, originalNum, remainder, result = 0;
    printf("Enter a three-digit integer: ");
    scanf("%d", &num);
    originalNum = num;
        result += remainder * remainder * remainder;
    originalNum /= 10;
}

while (originalNum != 0)
    {
        remainder = originalNum % 10;

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

    return 0;
```

